ORDER NO. APD-8308-644

Service Manual

AUTO PRODUCTS

CQ-873EE/EG

CASSETTE CAR STEREO TAPE PLAYER with LW/MW/FM MPX ELECTRONIC TUNER RADIO

DOLBY SYSTEM

*"Dolby" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.
*Noise Reduction System manufactured under license from Dolby Laboratories Licensing Corporation.

SPECIFICATIONS*

Power Supply:	DC 12V (11 ~ 16V)
	Test Voltage 14.4 V
	Negative Ground
Current Consumption:	Less than 1.8A (at 0.5W)
Max. Power Output:	2 x 20 W (at 4Ω)
Power Output:	2 x 13W (DIN 45 324)
Speaker Impedance:	4 ~ 8Ω
Tone Controls:	Bass; ±8 dB at 100 Hz
	Treble; ±8 dB at 10 kHz
Loudness Control:	+8 dB at 100 Hz
	+8 dB at 10 kHz
Battery Back Up Current Consumption:	Less than 2 mA
Car Stereo	
Reproduction System:	4-Track, 2-Program Stereo
Tape Speed:	4.76 cm/sec.
Wow/Flutter:	Less than 0.12% (WRMS)
Signal to Noise Ratio:	52 dB (Dolby NR out)
	62 dB (Dolby NR in)
FM Stereo Radio	
Frequency Range:	87.5 ~ 108 MHz
Intermediate Frequency:	10.7 MHz
Maximum Sensitivity:	Less than 4 dB/μV (S/N 10 dB)
MW Radio	
Frequency Range:	531 ~ 1,602 kHz
Intermediate Frequency:	450 kHz
Maximum Sensitivity:	Less than 26 dB/μV (0.5 W)
LW Radio	
Frequency Range:	153 ~ 281 kHz
Intermediate Frequency:	450 kHz
Maximum Sensitivity:	Less than 35 dB/μV (0.5 W)
Clock Accuracy:	±30 sec./month
Dimensions:**	178(W) x 140(D) x 52(H) mm
Weight:**	1.7 kg

FEATURES

- Electronic tuning FM Stereo/MW/LW radio with auto-reverse cassette player.
- New DIN full frontal design.
- PLL quarts synthesizer electronic tuning.
- Auto-seek, 18-station preset tuning (6 FM, 6 MW, 6 LW).
- Adaptive FM front end.
- EIA noise suppressor.
- 24-hour quartz clock/frequency digital display.
- Loudness control switch.
- Fader control.
- ATC (Automatic Tone Control)
- ASC (Automatic Separation Control)

* Specifications subject to change without notice.
** Weight and Dimensions shown are approximate.
*** C-120 tape is not recommended to use.

Panasonic

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FUSE REPLACEMENT

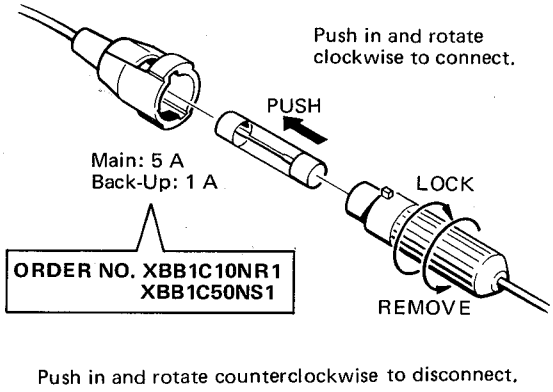
Be sure to use a fuse of specified rating (5 A, 1 A), when replacing a blown fuse.

Fuses rated at higher capacity, use of any substitute, or connection without a fuse may result in a fire hazard of damage to the unit.

If the replacement fuse fails, contact your nearest shop.

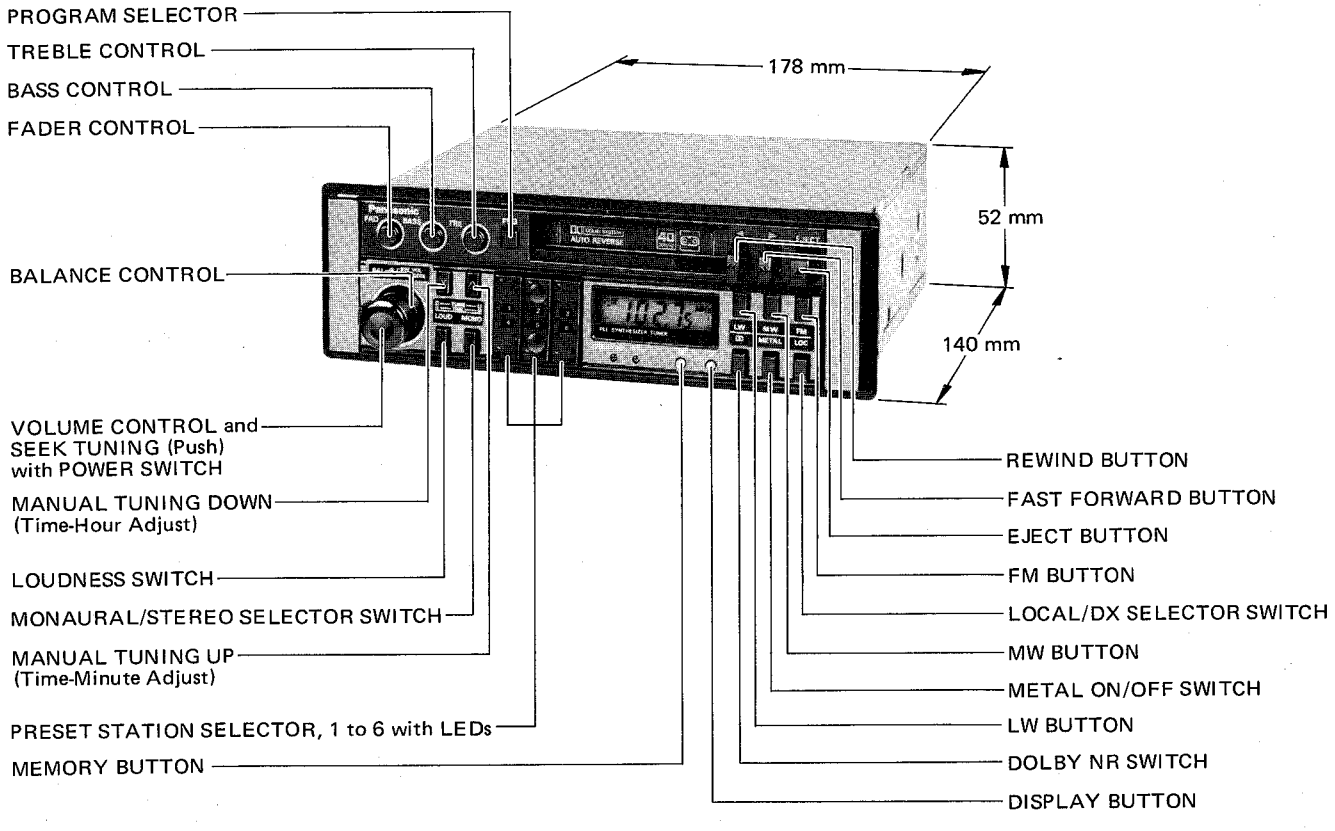
CAUTION:

1. **Connect the BATTERY LEAD (yellow) direct to the battery. Otherwise, time and memory settings can not be done.**
2. **If battery connection is disconnected (such as during battery replacement, recharging the battery. etc.), all electronic settings previously done on this unit would fade out. To reset, follow previous instructions on the operating instructions.**



Push in and rotate counterclockwise to disconnect.

DIMENSIONS AND LOCATION OF CONTROLS



INSPECTION OF ELECTRONIC TUNING FUNCTIONS

1. POWER SWITCH & CLOCK FUNCTION

	CONTROL	REMARKS
1	Turn power SW of test equipment on.	No indication
2	Turn VOL·POWER knob clockwise.	Illumination and LCD display light up 5 sec. after power indicator lit.
3	Depress D button.	Display is changed from radio frequency to time, or time to radio frequency.
4	Keep pushing M button and depress TIME-M button.	Memory colon lights up. Minute counts up by a step. 00:00, 00:01→00:59, 01:00
	Keep pushing M button and depress TIME-H button.	Memory colon lights up. Hour counts up by a step. 00:00, 01:00→23:00, 00:00

2. SEEK/LOCAL FUNCTION

	CONTROL	REMARKS
1	Depress SEEK button.	Continuously frequency counts up. Seek stops when signal is received.
2	Depress LOCAL button and depress SEEK button.	Local indicator lights up. Continuously frequency counts up. Seek stops when signal is received.
3	Disconnect antenna and depress SEEK button.	Seek does not stop.

3. MANUAL TUNE FUNCTION

	CONTROL	REMARKS
1	Depress TUNE-U button in radio reception.	Frequency counts up by a step. LW mode: 1 kHz MW mode: 9 kHz FM mode: 50 kHz
2	Depress TUNE-D button in radio reception.	Frequency counts down by a step. LW mode: 1 kHz MW mode: 9 kHz FM mode: 50 kHz
3	Keep depressing TUNE-U or TUNE-D button.	Continuously frequency counts up or down.

4. MEMORY FUNCTION

	CONTROL	REMARKS
1	Depress M button when station signal is received.	Memory colon lights up. (for 5 sec.)
2	Depress a preset butto of 1 to 6.	Memory colon lights up. Preset indicator lights up.
3	Change frequency and check items 1 & 2 for other preset buttons.	———
4	Check items 1 to 3 for each LW, MW and FM bands.	———
5	Check 6-preset stations are received on LW, MW and FM bands.	———
———	———	Sound silences at depressing preset button due to muting circuit.

INSTALLATION INSTRUCTIONS

UNIT IN-DASH INSTALLATION

Installation Opening

In-dash installation of the unit can be possibly done if the car's dashboard has an opening for this unit as shown in Fig. 1. The car's dashboard should have a thickness of not more than 5.5 mm in order to make the installation of the unit be possible.

Installation Procedure

1. Fix the two (2) Front Brackets onto the left and right sides of the unit, as shown in Fig. 2.
2. Loosen the Back-Up Metal on the Front Bracket by unscrewing the four (4) screws (two for each side).
3. Before definitely mounting the unit to the car's dashboard, check whether the rear of the unit is properly fixed to the Fire Wall of Car. Refer to any one of these figures, Fig. 4 or 5 that best suits stable installation of this unit. Also check the electrical connections. Mount the unit to the car's dashboard as shown in Fig. 2.
4. As shown in Fig. 3, the upper and lower ends of the Back-Up Metals (both sides) should be properly braced onto the back of the car's dashboard by tightening the screws. In other words, slide the Back-Up Metals upwards and/or downwards while tightening the screws.
5. Fix the Trim Plate to the unit, as shown in Fig. 3.

TO SECURE THE REAR OF THE UNIT

Using the Rear Supporting Strap (See Fig. 4)

Fix one end of the Supporting Strap to the rear of the unit, and the other end to the Fire Wall of Car.

Using the Rubber Cushion (See Fig. 5)

If there is an existing Rear Support Bracket on the Fire Wall of Car, simply place the Rubber Cushion over the protruding bolt on the rear of the unit. Then mount the rear of the unit to the existing Rear Support Bracket.

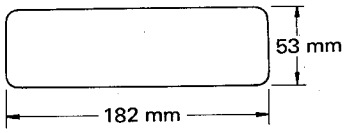


Fig. 1

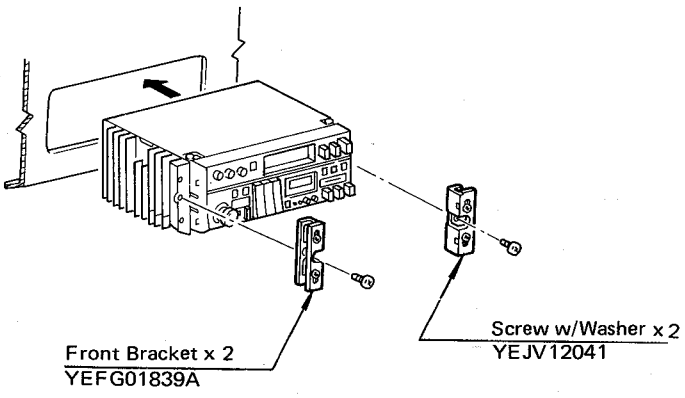


Fig. 2

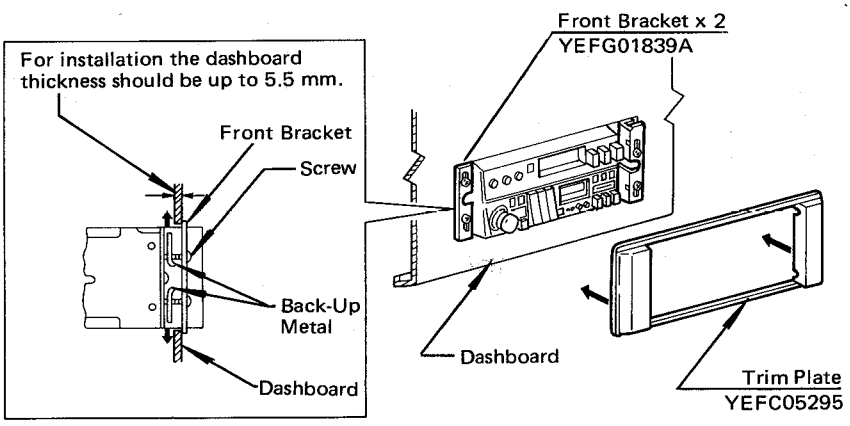


Fig. 3

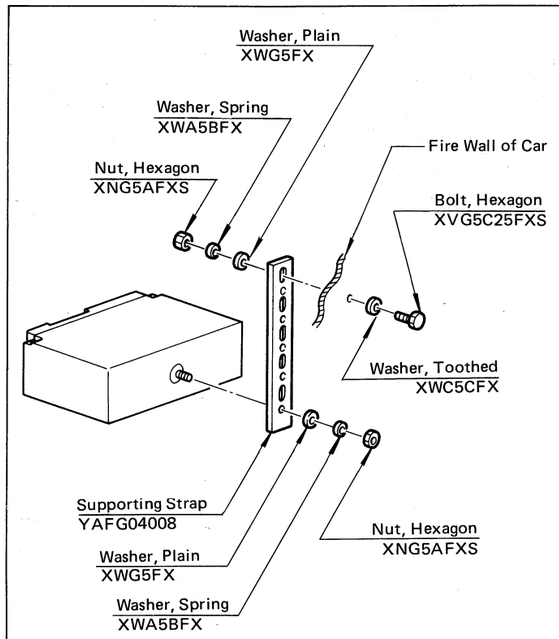


Fig. 4

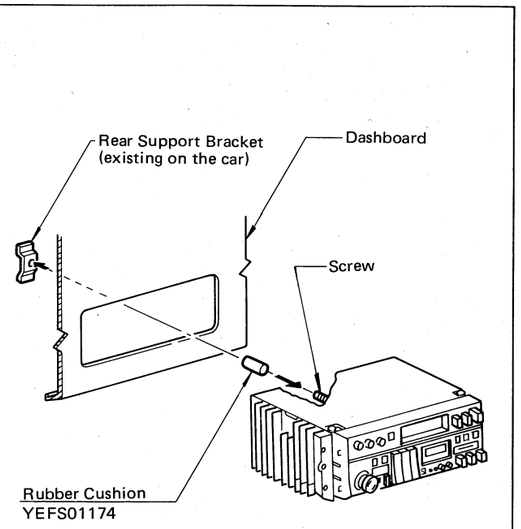
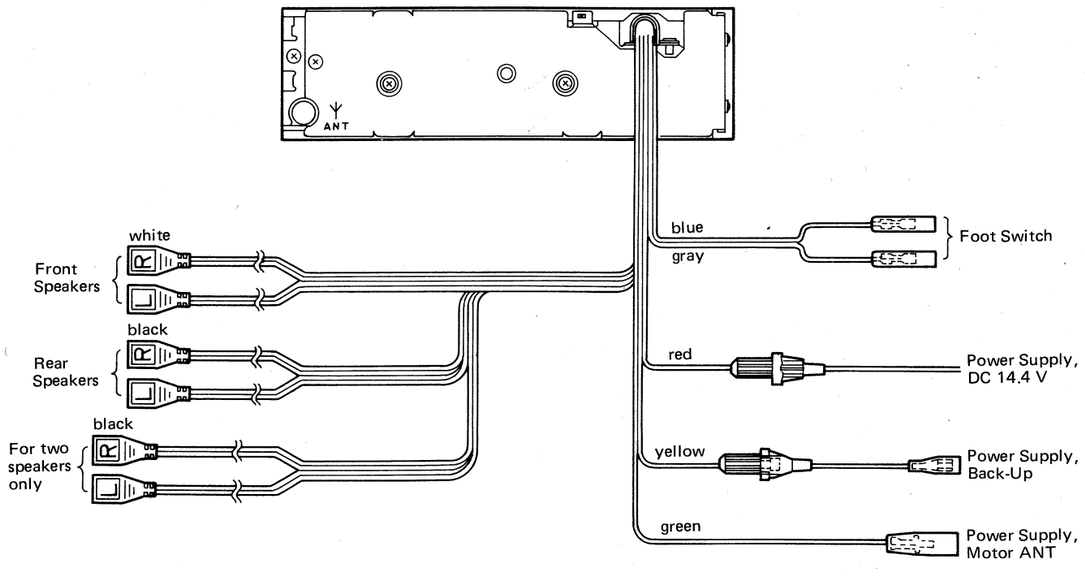


Fig. 5

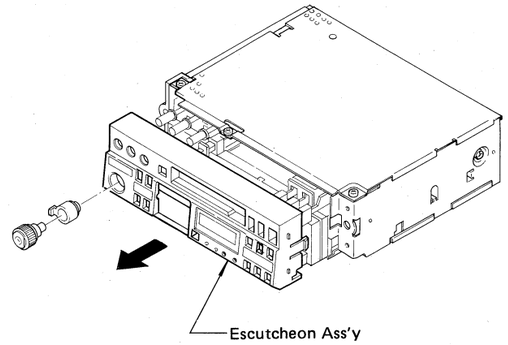
REAR VIEW AND CONNECTING DIAGRAM



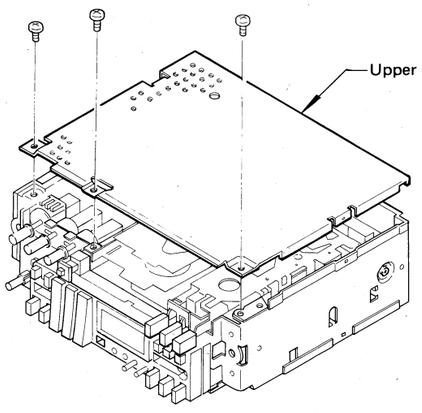
DISASSEMBLY INSTRUCTIONS

CASSETTE DECK REMOVAL

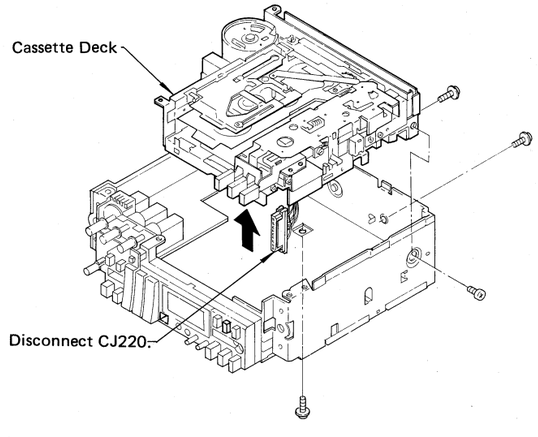
1) Remove the knobs and the escutcheon ass'y.



2) Remove the upper cover by the 3 screws.

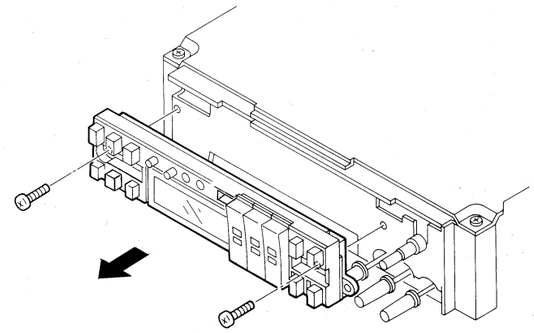


3) Remove the 4 screws mounting the cassette deck.
4) Lifting up the deck and disconnect CJ220.

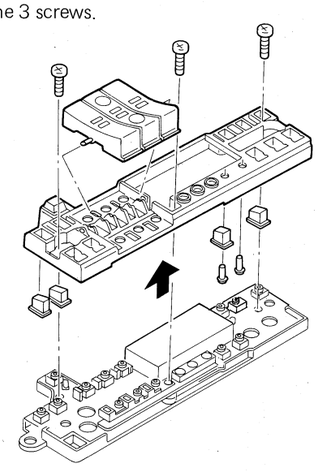


KEYBOARD BLOCK REMOVAL

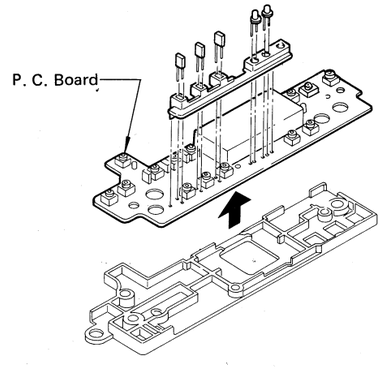
1) Remove the 2 screws
2) Unsolder the terminals.



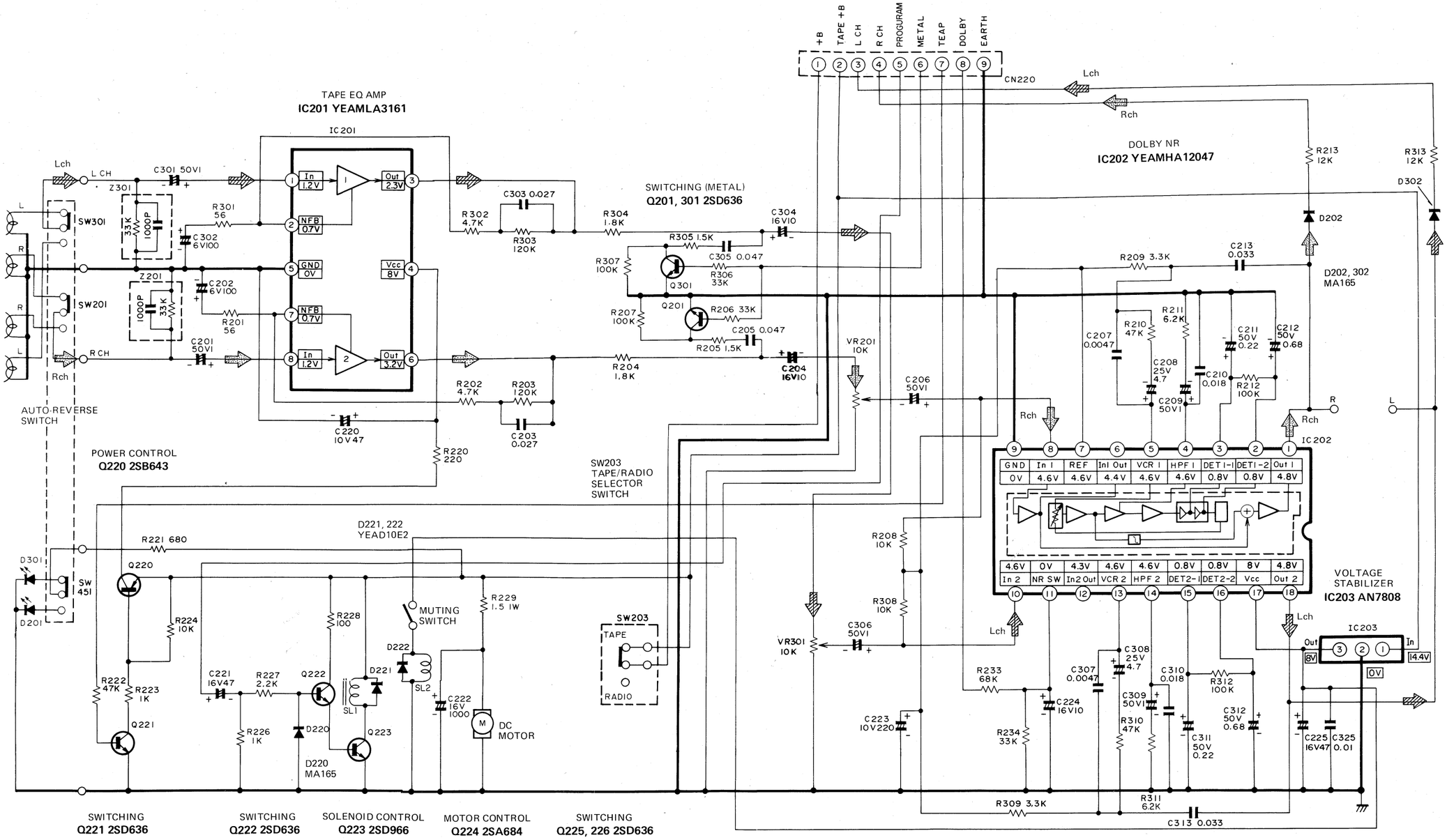
3) Remove the 3 screws.



4) Remove the keyboard P. C. board.

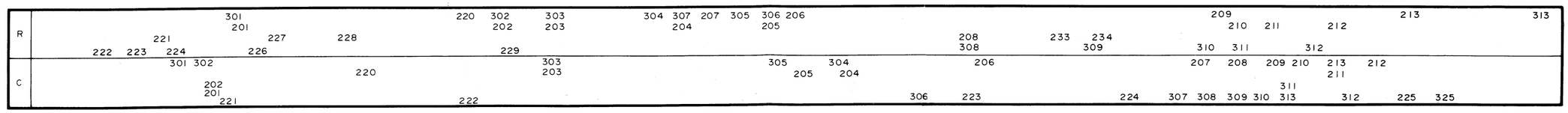


SCHEMATIC DIAGRAM MODELS CQ-873EE/EG(TAPE BLOCK)



GND	In 1	REF	In1 Out	VCR 1	HPF 1	DET 1-1	DET1-2	Out 1
0V	4.6V	4.6V	4.4V	4.6V	4.6V	0.8V	0.8V	4.8V

4.6V	0V	4.3V	4.6V	4.6V	0.8V	0.8V	8V	4.8V
In 2	NR SW	In2 Out	VCR 2	HPF 2	DET2-1	DET2-2	Vcc	Out 2



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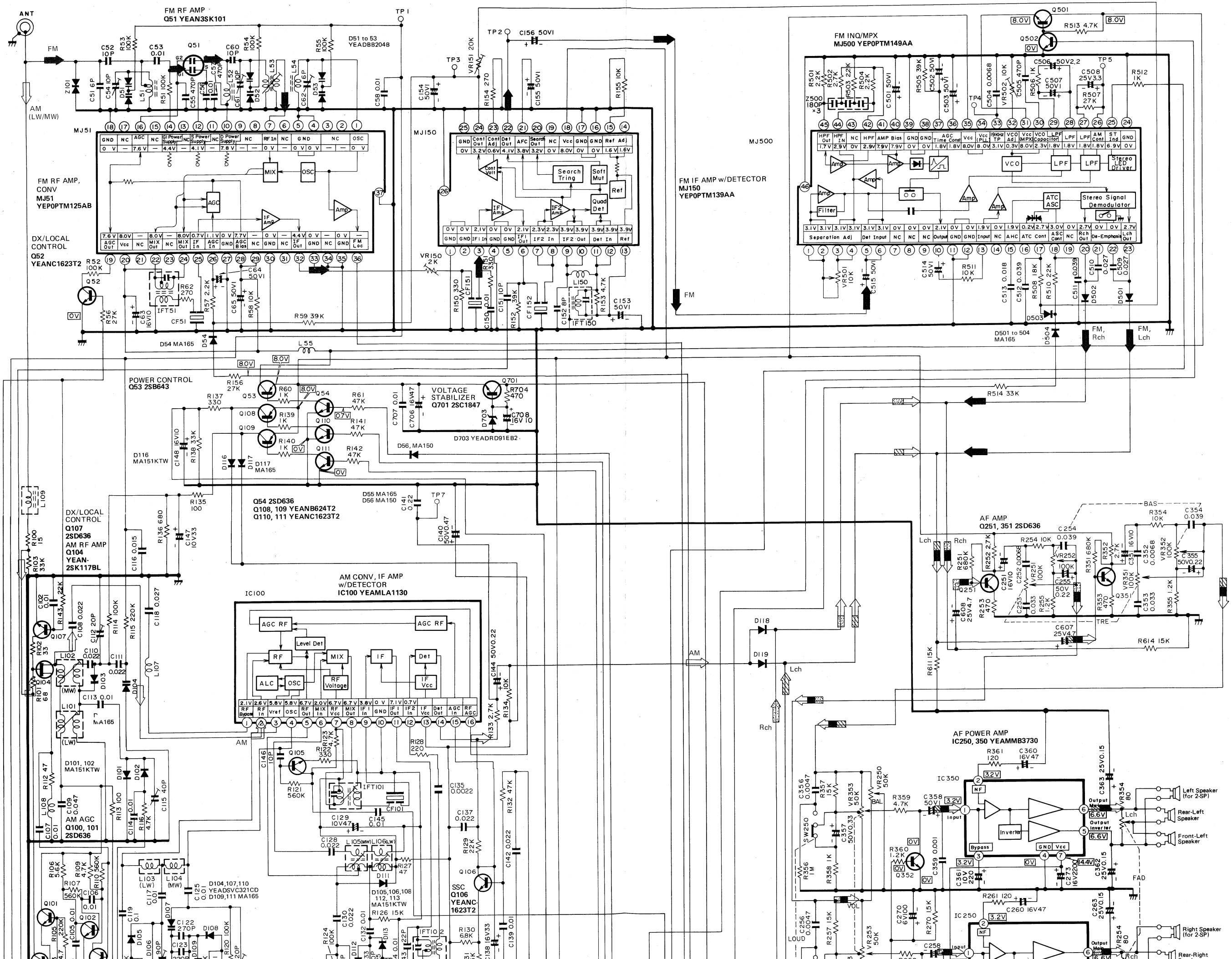
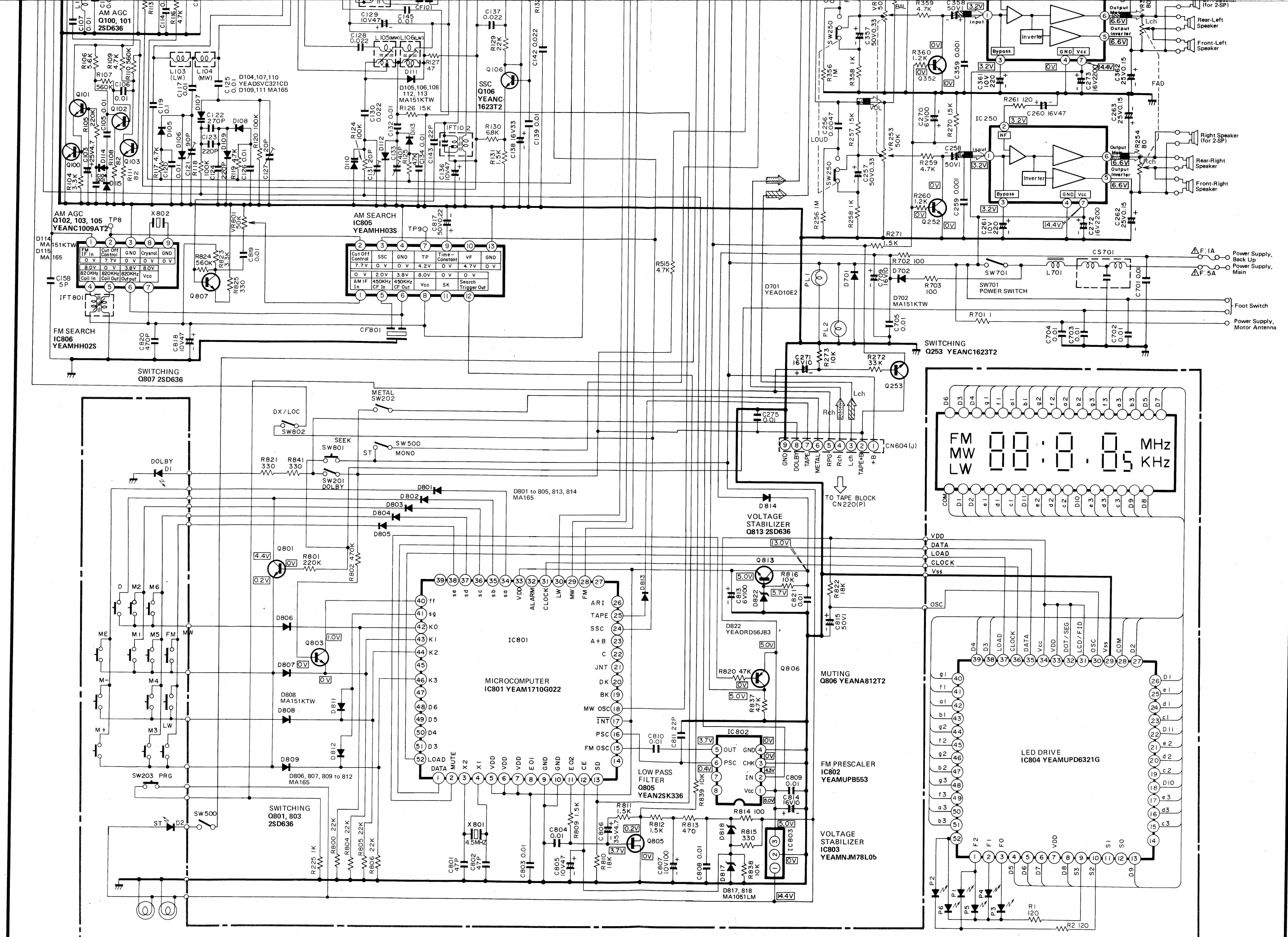
SCHEMATIC DIAGRAM MODELS CQ-873EE/EG(RADIO BLOCK)




AM AGC
Q100, 101
2SD636
AM AGC
Q102, 103, 105
YEANC1009AT2
AM SEARCH
IC805
YEAMHH03S
FM SEARCH
IC806
YEAMHH02S
SWITCHING
Q807 2SD636
SSC
Q106
YEANC-1623T2
MICROCOMPUTER
IC801 YEAM1710G022
LOW PASS FILTER
Q805
YEAN2SK336
SWITCHING
Q801, 803
2SD636
VOLTAGE STABILIZER
Q813 2SD636
MUTING
Q806 YEANA812T2
FM PRESCALER
IC802
YEAMUPB553
VOLTAGE STABILIZER
IC803
YEAMNJM78L05
SWITCHING
Q253 YEANC1623T2
SW701
POWER SWITCH
LED DRIVE
IC804 YEAMUPD6321G
IC 250
Rear-Left Speaker
Front-Left Speaker
Rear-Right Speaker
Front-Right Speaker
Right Speaker (for 2-SP)
Power Supply, Back Up
Power Supply, Main
Foot Switch
Power Supply, Motor Antenna
TO TAPE BLOCK CN220(P)
FM
MW
LW
MHz
KHz

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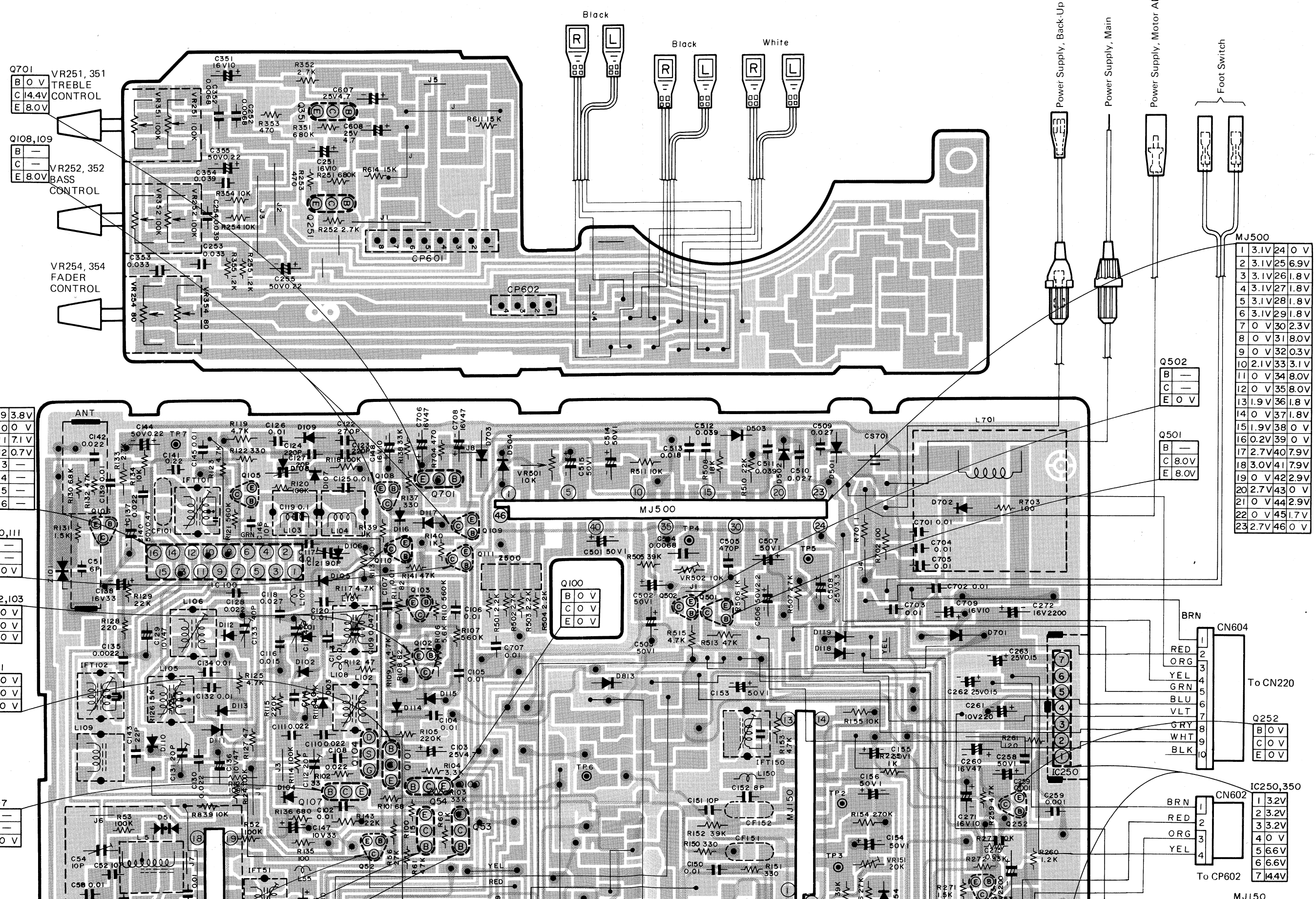
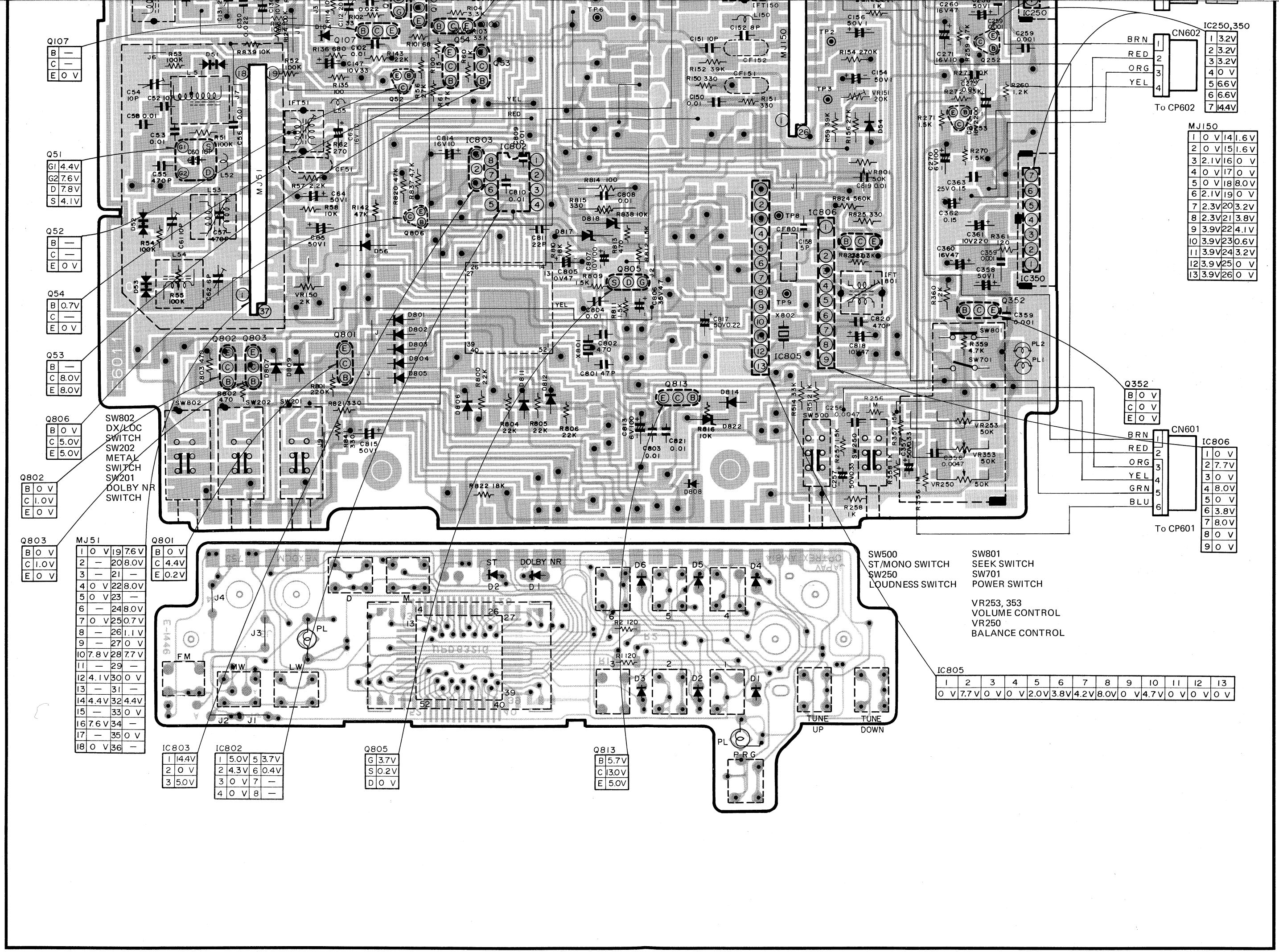
WIRING DIAGRAM MODELS CQ-873EE/EG(RADIO BLOCK)




Q107
B —
C —
E 0 V
Q51
G1 4.4V
G2 7.6V
D 7.8V
S 4.1V
Q52
B —
C —
E 0 V
Q54
B 0.7V
C —
E 0 V
Q53
B —
C 8.0V
E 8.0V
Q806
B 0 V
C 5.0V
E 5.0V
Q802
B 0 V
C 1.0V
E 0 V
Q803
B 0 V
C 1.0V
E 0 V
MJ51
1 0 V 19 7.6V
2 — 20 8.0V
3 — 21 —
4 0 V 22 8.0V
5 0 V 23 —
6 — 24 8.0V
7 0 V 25 0.7V
8 — 26 1.1V
9 — 27 0 V
10 7.8V 28 7.7V
11 — 29 —
12 4.1V 30 0 V
13 — 31 —
14 4.4V 32 4.4V
15 — 33 0 V
16 7.6V 34 —
17 — 35 0 V
18 0 V 36 —
Q801
B 0 V
C 4.4V
E 0.2V
SW802
DX/LOC
SWITCH
SW202
METAL
SWITCH
SW201
DOLBY NR
SWITCH
IC803
1 14.4V
2 0 V
3 5.0V
IC802
1 5.0V 5 3.7V
2 4.3V 6 0.4V
3 0 V 7 —
4 0 V 8 —
Q805
G 3.7V
S 0.2V
D 0 V
Q813
B 5.7V
C 13.0V
E 5.0V
ST
DOLBY NR
D2
D1
PL
FM
MW
LW
J1
J2
J3
J4
SW500
ST/MONO SWITCH
SW250
LOUDNESS SWITCH
SW801
SEEK SWITCH
SW701
POWER SWITCH
VR253, 353
VOLUME CONTROL
VR250
BALANCE CONTROL
TUNE
UP
TUNE
DOWN
IC805
1 2 3 4 5 6 7 8 9 10 11 12 13
0 V 7.7 V 0 V 0 V 2.0V 3.8V 4.2V 8.0V 0 V 4.7 V 0 V 0 V 0 V
CN602
BRN
RED
ORG
YEL
To CP602
IC250,350
1 3.2V
2 3.2V
3 3.2V
4 0 V
5 6.6V
6 6.6V
7 14.4V
MJ150
1 0 V 14 1.6V
2 0 V 15 1.6V
3 2.1V 16 0 V
4 0 V 17 0 V
5 0 V 18 8.0V
6 2.1V 19 0 V
7 2.3V 20 3.2V
8 2.3V 21 3.8V
9 3.9V 22 4.1V
10 3.9V 23 0.6V
11 3.9V 24 3.2V
12 3.9V 25 0 V
13 3.9V 26 0 V
Q352
B 0 V
C 0 V
E 0 V
CN601
BRN
RED
ORG
YEL
GRN
BLU
To CP601
IC806
1 0 V
2 7.7V
3 0 V
4 8.0V
5 0 V
6 3.8V
7 8.0V
8 0 V
9 0 V

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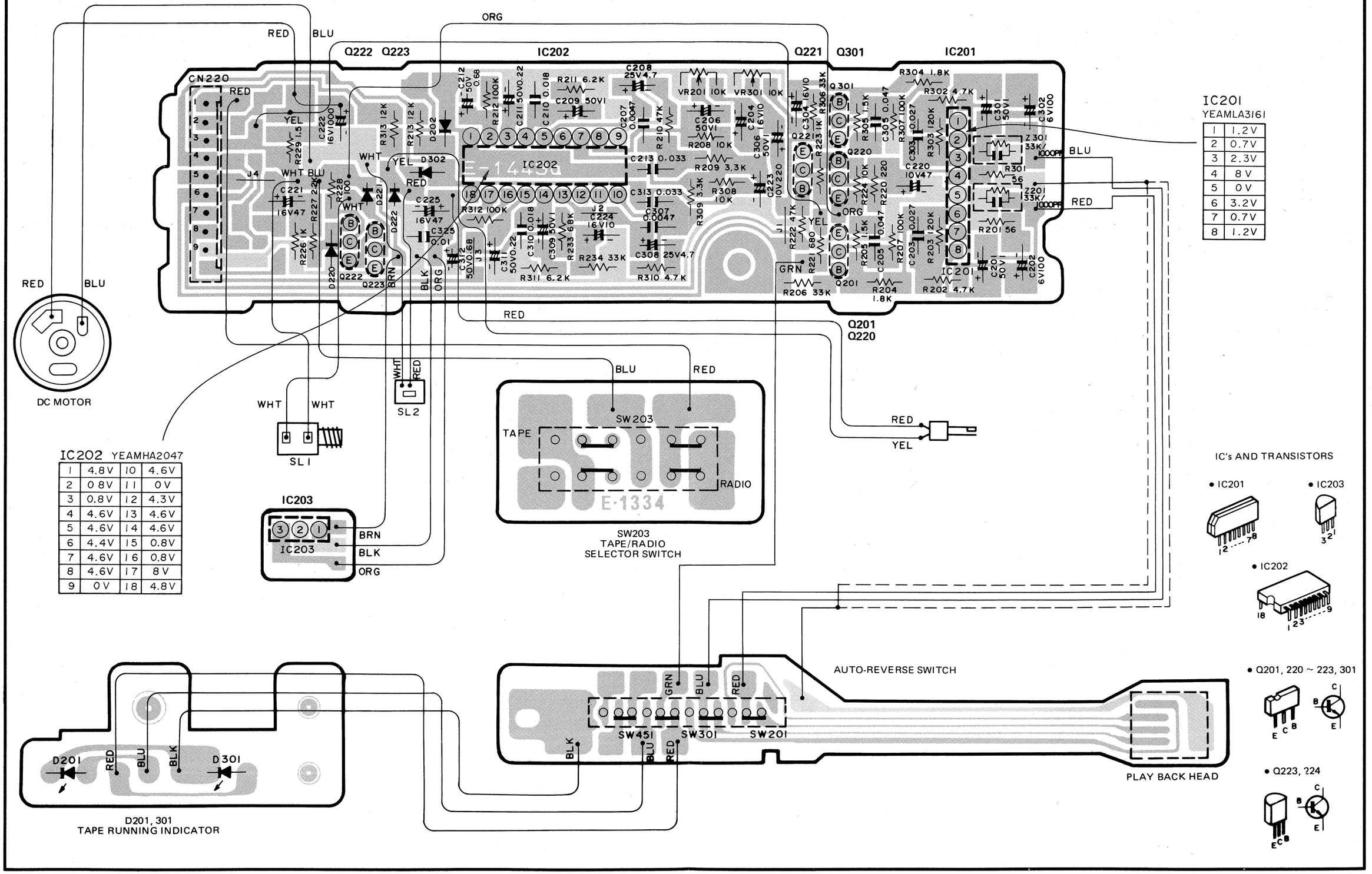
WIRING DIAGRAM MODELS CQ-873EE/EG(TAPE BLOCK)



IC202 YEAMHA2047

1	4.8V	10	4.6V
2	0.8V	11	0V
3	0.8V	12	4.3V
4	4.6V	13	4.6V
5	4.6V	14	4.6V
6	4.4V	15	0.8V
7	4.6V	16	0.8V
8	4.6V	17	8V
9	0V	18	4.8V

IC201 YEAMLA3161

1	1.2V
2	0.7V
3	2.3V
4	8V
5	0V
6	3.2V
7	0.7V
8	1.2V

IC's AND TRANSISTORS

- IC201
- IC203
- IC202
- Q201, 220 ~ 223, 301
- Q223, 224

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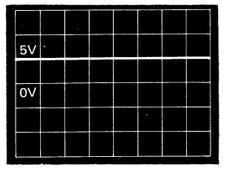
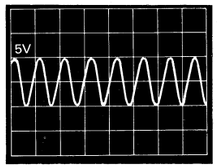
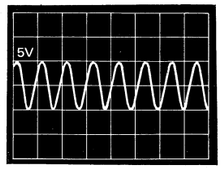
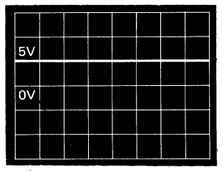
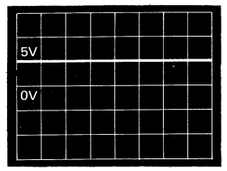
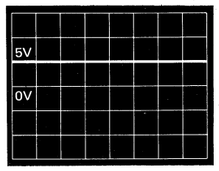
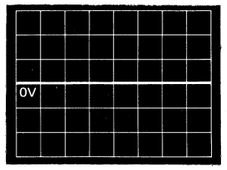
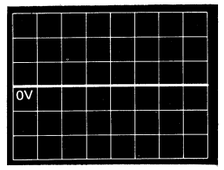
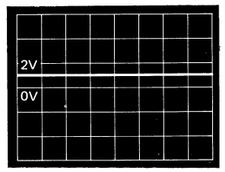
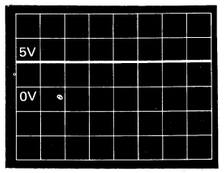
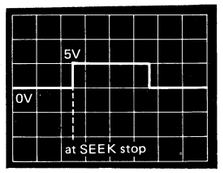
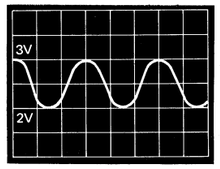
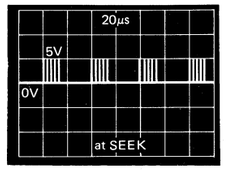
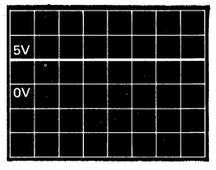
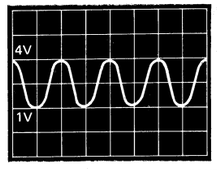
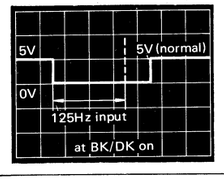
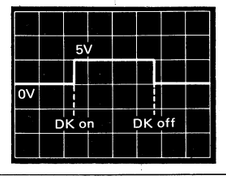
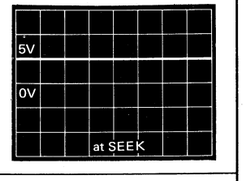
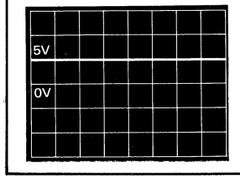
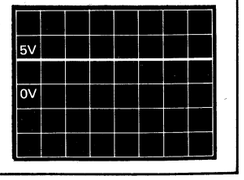
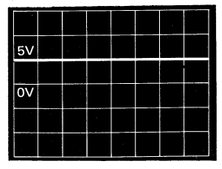
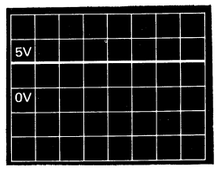
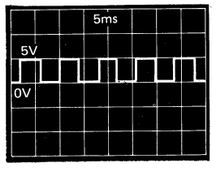
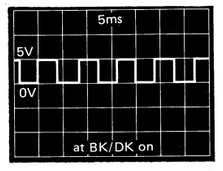
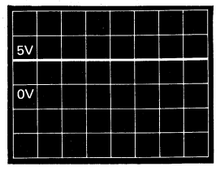
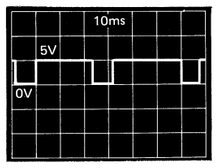
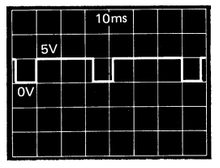
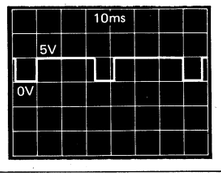
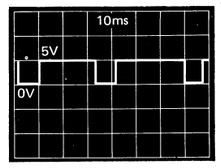
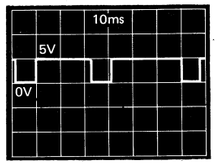
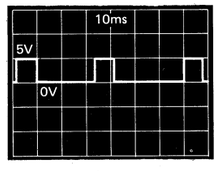
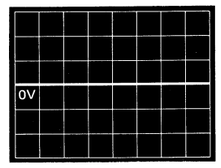
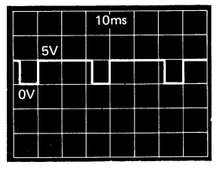
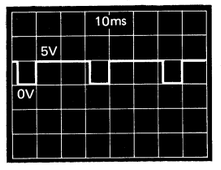
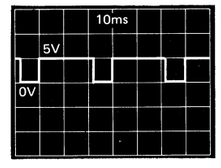
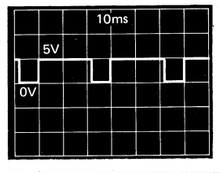
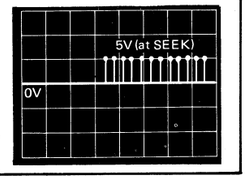
WAVEFORM OF MICROCOMPUTER

① D1	② MUTE-1 	③ X2 	④ X1 
⑤ VDD 	⑥ VDD 	⑦ VDD 	⑧ EO1 (Not Used) .....
⑨ GND 	⑩ GND 	⑪ EO2 	⑫ CE 
⑬ SD 	⑭ Not Used	⑮ FM 	⑯ PSC 
⑰ INT 	⑱ AM 	⑲ PC2 (Not Used)	⑳ PC3 (Not Used) .....
㉑ Not Used	㉒ C (PB0) 	㉓ A + B (PB1) 	㉔ MUTE-2 (PB2) 
㉕ TAPE (PB3) 	㉖ PA0 (Not Used)	㉗ Not Used	㉘ FM (PA1) 

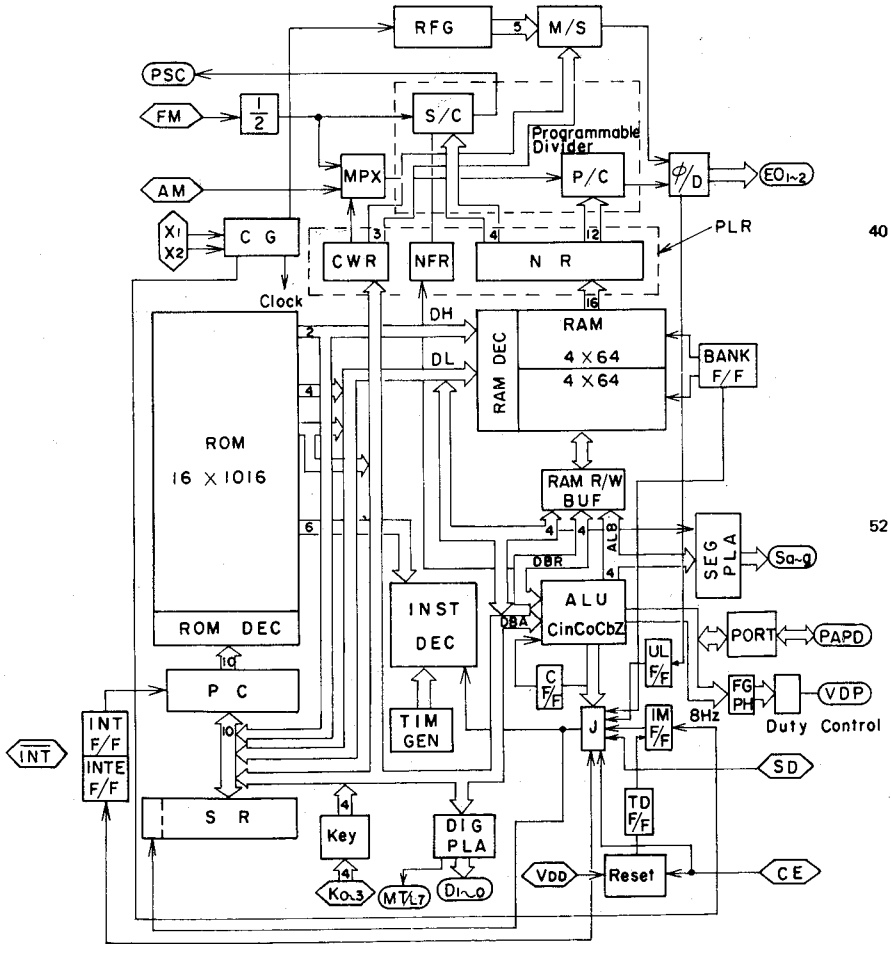
㉙ MW (PA2) 	㉚ LW (PA3) 	㉛ SEGh (PD3) 	㉜ ALARM (VDP) 
㉝ VDD 	㉞ SEGb 	㉟ SEGa 	㊱ SEGc 
㊲ SEGd 	㊳ SEGe 	㊴ Not Used	㊵ SEGf 
㊶ SEGg 	㊷ K0 	㊸ K1 	㊹ K2 
㊺ Not Used	㊻ K3 	㊼ Not Used	㊽ D6 (Not Used) .....
㊾ D5 (Not Used)	㊿ D4 (Not Used)	(51) D3 (Not Used)	(52) D2 

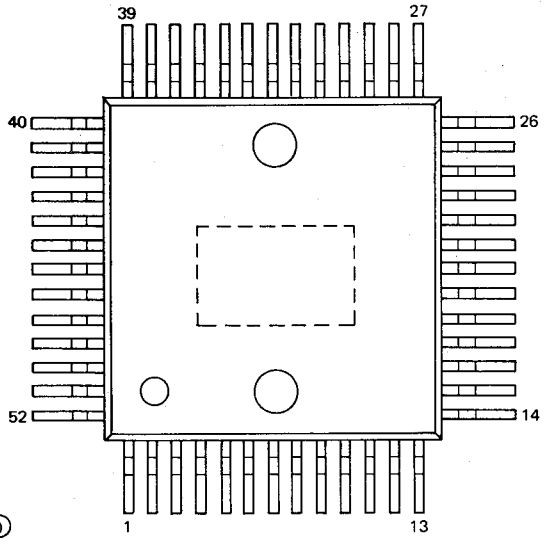
OPERATION OF MICROCOMPUTER

YEAM1710G022

Pin No.	Part	Function
1	D1	State Display Data Signal Output
2	MUTE-1	Muting Output, Active Low
3 4	X2 X1	Crystal OSC, 4.5 MHz
5 6 7	VDD	Power Supply, +5V ±0.5V
8	EO1	Phase Detector Output
9 10	GND	Ground
11	EO2	Phase Detector Output
12	CE	Chip Enable Input
13	SD	Station Detector Input
14	–	Not Used
15	FM	FM Programmable Counter Input
16	PSC	Pre-Scaler Control
17	INT	Break Out
18	AM	AM Programmable Counter Input
19	BK(PC2)	BK Signal (A to F) Input
20	DK(PC3)	DK Signal (125Hz) Input
21	–	Not Used
22	C(PB0)	ARI Control Output, Active Low
23	A+B(PB1)	ARI Control Output, Active High
24	MUTE-2(PB2)	Muting Output, Active High
25	TAPE(PB3)	Tape Mode Output, Active High
26	ARI(PA0)	ARI Mode Output, Active High

Pin No.	Part	Function
27	–	Not Used
28 29 30	FM(PA1) MW(PA2) LW(PA3)	Band Mode Output, Active High
31	SEGh(PD3)	Static Display Clock Signal Output
32	ALARM(VDP)	Static Display Clock Signal Output
32	ALARM(VDP)	ARI Alarm Output
33	VDD	Power Supply, +5V ±0.5V
34 35 36 37 38	SEGa SEGb SEGc SEGd SEGe	Key Return Signal Source
39	–	Not Used
40 41	SEGf SEGg	Key Return Signal Source
42 43 44	K0 K1 K2	Key Matrix Input
45	–	Not Used
46	K3	Key Matrix Input
47	–	Not Used
48 49 50	D6 D5 D4	Not Used
51 52	D3 D2	Static Display DK Signal Output Static Display Load Signal Output





– Top View –

LCD ASSEMBLY

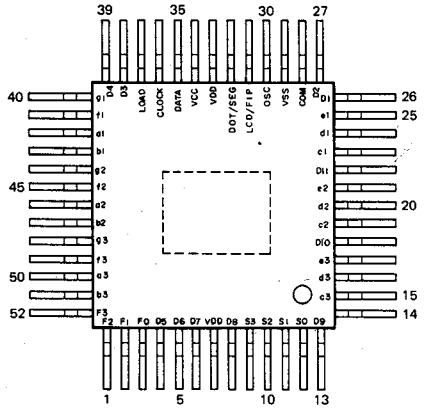
SEGMENT DECODER PATTERN

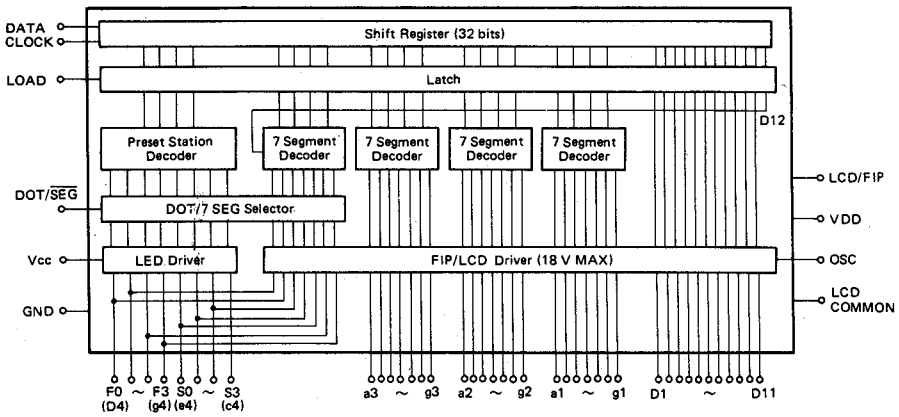
	Input Data				Output							
	8	4	2	1	a	b	c	d	e	f	g	Display
0	0	0	0	0	1	1	1	1	1	1	0	0
1	0	0	0	1	0	1	1	0	0	0	0	1
2	0	0	1	0	1	1	0	1	1	0	1	2
3	0	0	1	1	1	1	1	1	0	0	1	3
4	0	1	0	0	0	1	1	0	0	1	1	4
5	0	1	0	1	1	0	1	1	0	1	1	5
6	0	1	1	0	1	0	1	1	1	1	1	6
7	0	1	1	1	1	1	1	0	0	1	0	7
8	1	0	0	0	1	1	1	1	1	1	1	8
9	1	0	0	1	1	1	1	1	0	1	1	9
A	1	0	1	0	1	1	1	0	1	1	1	A
B	1	0	1	1	0	0	1	1	1	1	1	b
C	1	1	0	0	1	0	0	1	1	1	0	C
D	1	1	0	1	0	1	1	1	1	0	1	d
E	1	1	1	0	1	0	0	1	1	1	1	E
F	1	1	1	1	0	0	0	0	0	0	0	

LCD DOT PATTERN

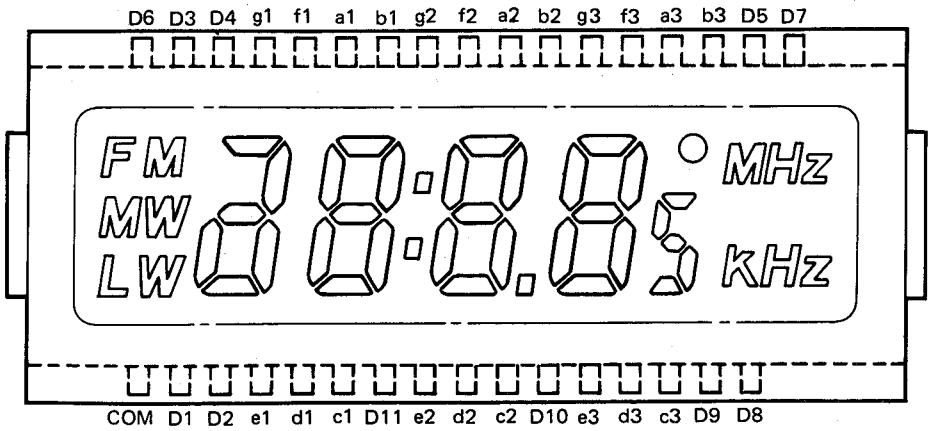
	Input Data				Output								
	8	4	2	1	S3	S2	S1	S0	F3	F2	F1	F0	Display
0	0	0	0	0	x	x	x	L	L	L	L	L	P0
1	0	0	0	1	x	x	x	L	L	L	H	L	P1
2	0	0	1	0	x	x	x	L	L	H	L	L	P2
3	0	0	1	1	x	x	L	x	L	L	L	H	P3
4	0	1	0	0	x	x	L	x	L	L	H	L	P4
5	0	1	0	1	x	x	L	x	L	L	H	L	P5
6	0	1	1	0	x	x	L	x	L	H	L	L	P6
7	0	1	1	1	x	x	L	x	H	L	L	L	P7
8	1	0	0	0	x	L	x	x	L	L	L	H	P8
9	1	0	0	1	x	L	x	x	L	L	H	L	P9
A	1	0	1	0	x	L	x	x	L	H	L	L	P10
B	1	0	1	1	x	L	x	x	H	L	L	L	P11
C	1	1	0	0	L	x	x	x	L	L	L	H	P12
D	1	1	0	1	L	x	x	x	L	L	H	L	P13
E	1	1	1	0	L	x	x	x	L	H	L	L	P14
F	1	1	1	1	L	x	x	x	H	L	L	L	P15

YEAMUPD6321G, LCD DRIVER





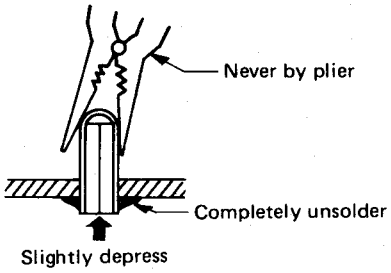
LCD SEGMENT



SERVICING OF MODULE

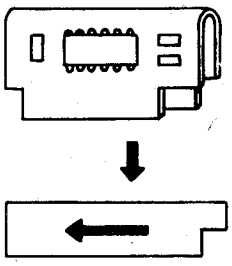
NOTES FOR REMOVAL:

1) Completely unsolder the junction between the module and the PCB, and then depress it from the lower side.
2) Do not remove it by the plier and hard wares.
3) Do not rub the tip of the soldering iron on the terminal of module when unsoldering.

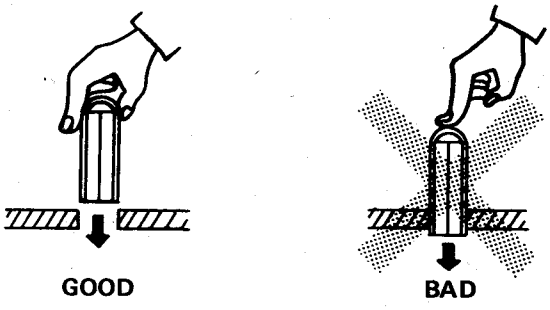


NOTES FOR RE-INSTALLATION:

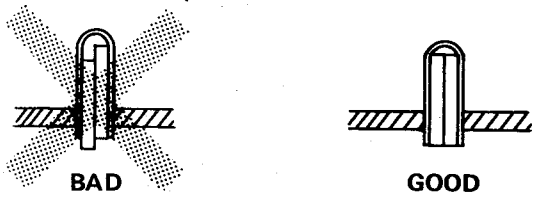
1) Insert the module into the PCB to meet direction.



2) Do not stress to the flexible portion when inserting.



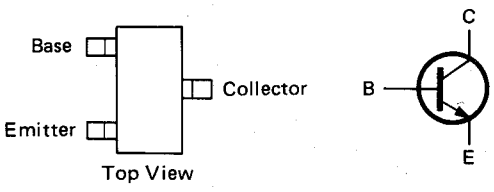
3) Do not misfit or open.



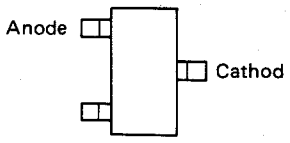
4) Do not stab or bite the module by the screwdriver, the plier, etc.
5) The module must be no tilt.

CHIP ICs AND CHIP DIODES

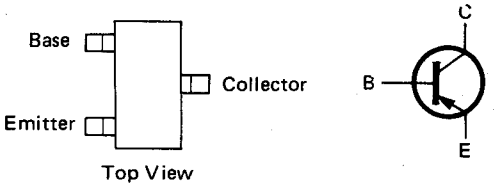
YEANC1623, YEANC1009A



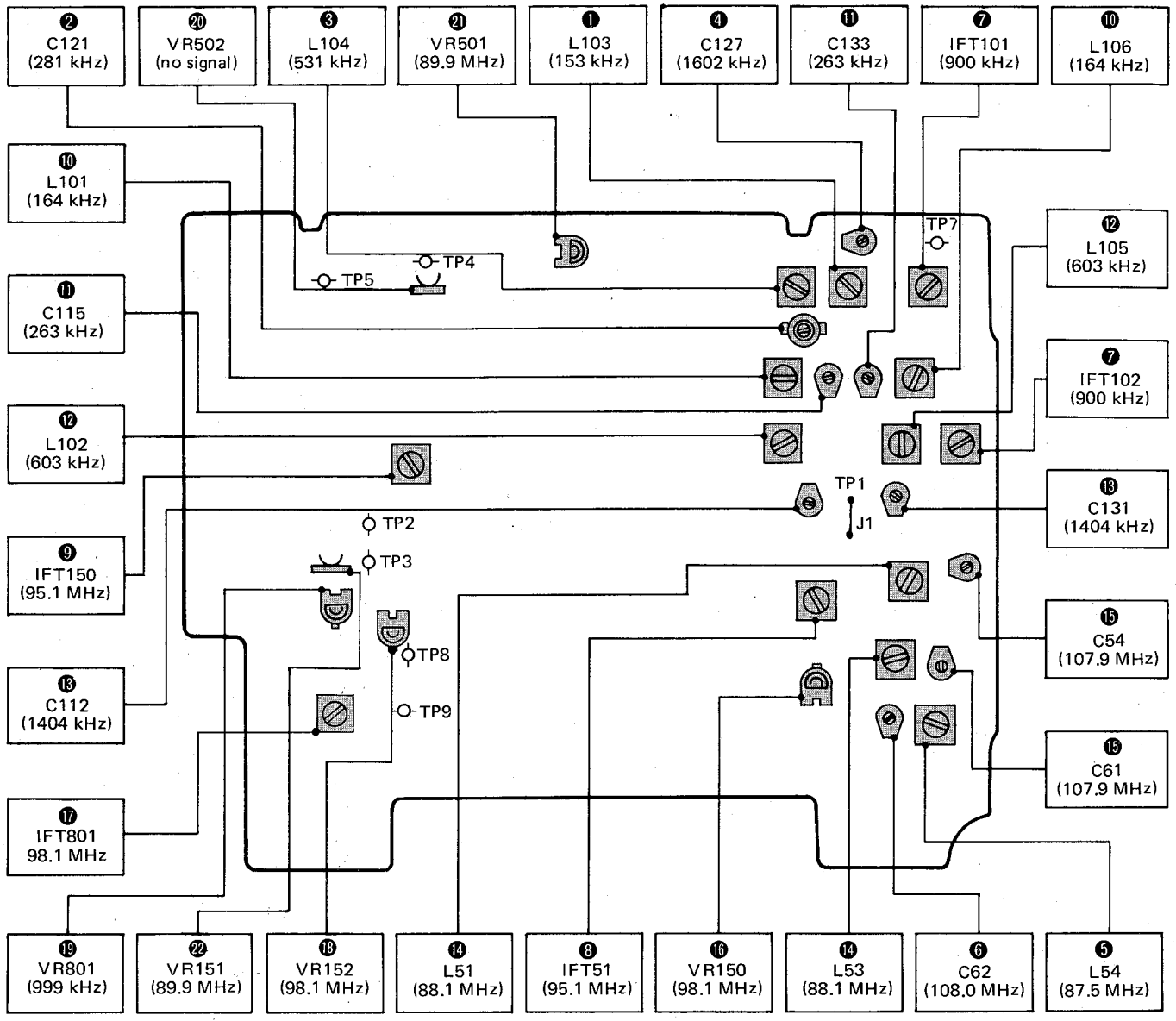
MA151K



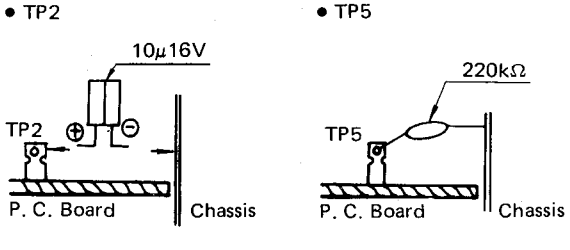
YEANB624, YEANA812



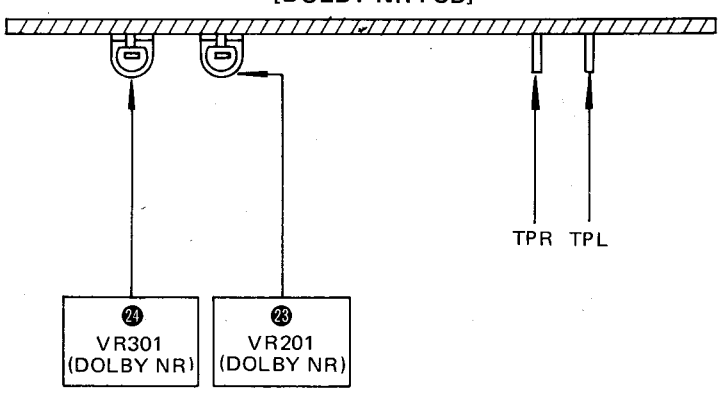
ALIGNMENT POINTS



[*1: Shorting for TP2 and TP5]



[DOLBY NR PCB]

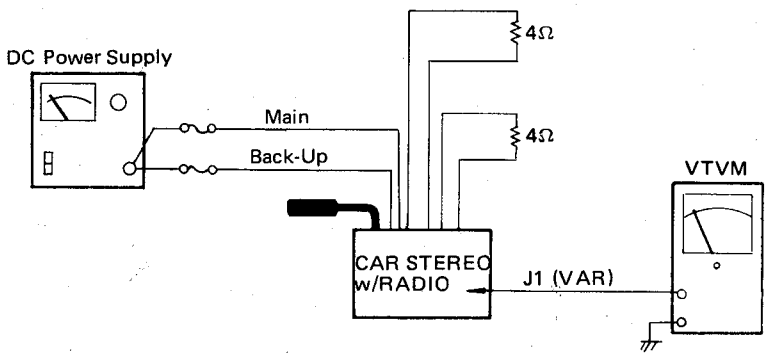


ALIGNMENT INSTRUCTIONS

- Power supply voltage: DC 14.4 V
- Output impedance: 4 Ω
- Output power: 0.5 W
- Balance control: Center
- DX/LOCAL Switch: DX
- Volume control: Set for 0.5 W output
- Loudness switch: OFF
- Bass Control: Center
- Treble control: Center

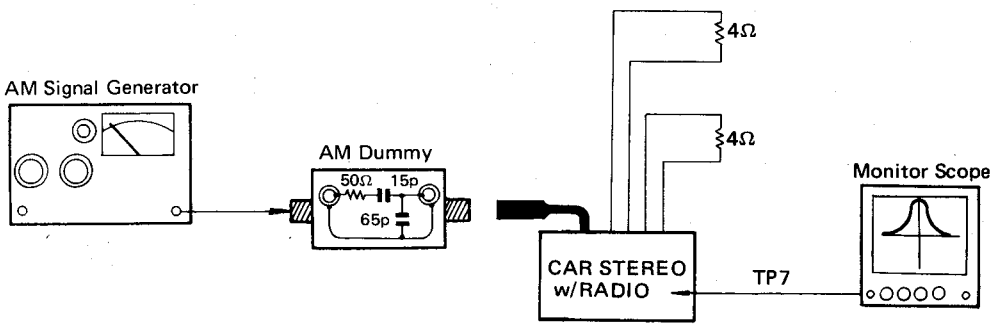
1. VARACTOR VOLTAGE ALIGNMENT

Step	Alignment Item	Band Selector	VTVM Connection	Display	Adjust	Remarks
1	LW VARACTOR VOLTAGE	LW	J1 (VAR)—Ground	153 kHz	L103	• Adjust for 1.2 V
2				281 kHz	C121	• Adjust for 5.0 V • Repeat steps 2 & 3 times, and finish at C121.
3	MW VARACTOR VOLTAGE	MW		531 kHz	L104	• Adjust for 1.2 V
4				1602 kHz	C127	• Adjust for 9.0 V • Repeat steps 2 & 3 times, finish at C127.
5	FM VARACTOR VOLTAGE	FM		87.5 MHz	L54	• Adjust for 1.2 V
6				108.0 MHz	C62	• Adjust for 9.0 V. • Repeat steps 2 & 3 times, and finish at C62.



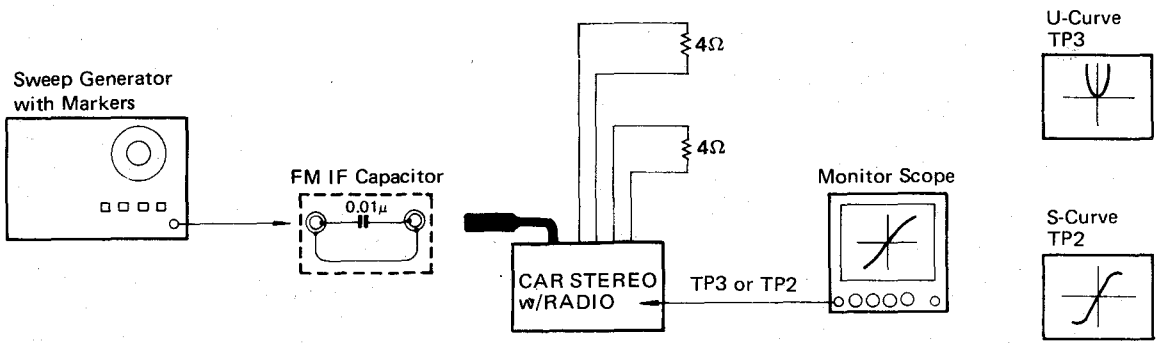
2. LW/MW I-F ALIGNMENT

Step	Align-ment Item	Band Selector	Signal Generator	Input Terminal	VTVM Connection	Display	Adjust	Remarks
7	MW•I-F	MW	900 kHz [400Hz Mod.]	Antenna receptacle	TP7—Ground	900 kHz	IFT 101 IFT 102	• Adjust for maximum.



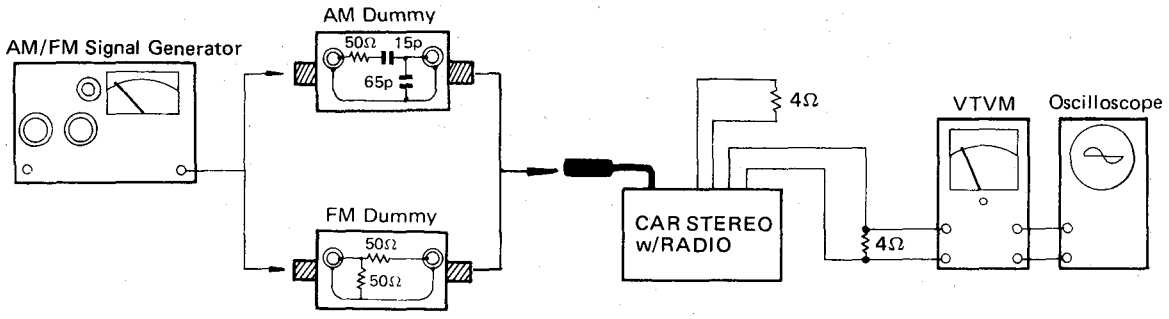
3. FM I-F ALIGNMENT

Step	Alignment Item	Band Selector	Signal Generator	Input Terminal	VTVM Connection	Display	Adjust	Remarks
8	FM I-F	FM	10.7 MHz	Antenna receptacle	TP3–Ground (U-Curve)	95.1 MHz	IFT 51	• Adjust for maximum amplitude and symmetrical curve.
9					TP2–Ground (S-Curve)		IFT 150	• Adjust for maximum amplitude and proper linearity between about ±100 kHz markers.



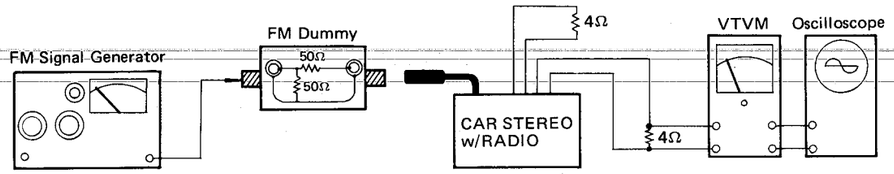
4. LW/MW/FM RF ALIGNMENT

Step	Alignment Item	Band Selector	Signal Generator	Input Terminal	VTVM Connection	Display	Adjust	Remarks
10	LW RF	LW	164 kHz [400Hz Mod.]	Antenna receptacle	Speaker Terminals	164 kHz	L101 L106	• Adjust for maximum. • Repeat steps 2 & 3 times, and finish at low frequency of each alignment item.
11			263 kHz [400Hz Mod.]			263 kHz	C115 C133	
12	MW RF	MW	603 kHz [400Hz Mod.]			603 kHz	L102 L105	
13			1404 kHz [400Hz Mod.]			1404 kHz	C112 C131	
14	FM RF	FM	88.1 MHz [400Hz Mod.]			88.1 MHz	L51 L53	
15			107.9 MHz [400Hz Mod.]			107.9 MHz	C54 C61	



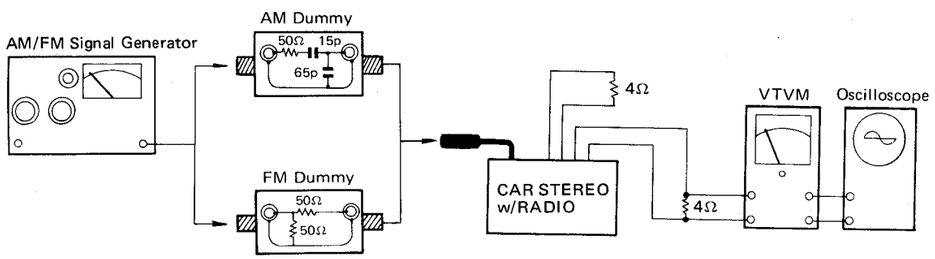
5. FM AGC ALIGNMENT

Step	Alignment Item	Band Selector	Signal Generator	Input Terminal	VTVM Connection	Display	Adjust	Remarks
16	FM AGC	FM	98.1 MHz 54 dB [400Hz Mod.]	Antenna receptacle	Speaker Terminals	98.1 MHz	VR150	• Set volume control for 0.5 W output. • Attenuate signal generator output to 11 dB (μV) and adjust for 3 dB down output.



6. SEARCH TRIGGER & SENSITIVITY ALIGNMENT

Step	Alignment Item	Band Selector	Signal Generator	Input Terminal	VTVM Connection	Display	Adjust	Remarks
17	FM Search Trigger	FM	98.108 MHz 54 dB [non-Mod.]	Antenna receptacle	TP9—Ground	98.1 MHz	IFT801	• Short circuit between TP8 and ground. • Adjust for maximum.
18	FM Search Sens.				Speaker Terminals		VR152	• Adjust to stop search tuning at 15 dB input.
19	LW/MW Serch Sens.	MW	999 kHz 28 dB [400 Hz Mod.]	Antenna receptacle	Speaker Terminals	999 kHz	VR801	• Set DX/LOC in DX. • Adjust to stop search tuning at 28 dB input.

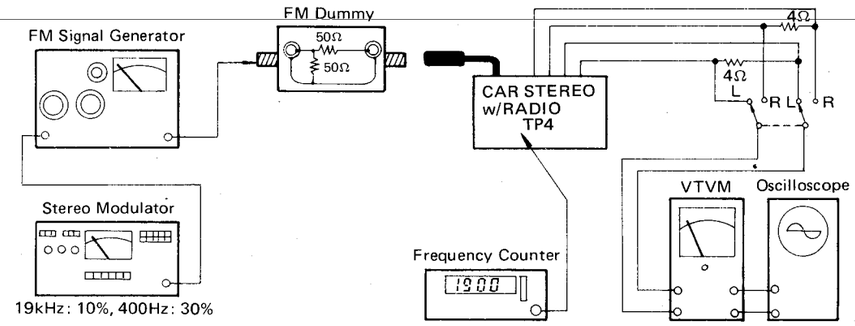


7. FM MULTIPLEX ALIGNMENT

Step	Alignment Item	Band Selector	Signal Generator	Input Terminal	VTVM Connection	Display	Adjust	Remarks
20	FM MPX	FM	no signal	.....	Frequency Counter TP4—Ground (19 kHz)	.....	VR502	• Connect a 10μ16V between TP2 and ground, and 220kΩ between TP5 and ground (*1). • Adjust for 19 kHz±30Hz.
21			89.9 MHz 60 dB [400Hz Mod.]	Antenna receptacle	Speaker Terminals	89.9 MHz	VR501	• Adjust for maximum separation.

8. FM ASC ALIGNMENT

Step	Alignment Item	Band Selector	Signal Generator	Input Terminal	VTVM Connection	Display	Adjust	Remarks
22	FM	FM	89.9 MHz 38 dB [400 Hz Mod.]	Antenna receptacle	Speaker Terminals	89.9 MHz	VR151	• Set VR151 fully clockwise. • Adjust for 20 dB separation at 38 dB input.



9. DOLBY NR ALIGNMENT

Step	Alignment Item	Test Tape	VTVM Connection	Adjust	Remarks
23	DOLBY NR	TCC-130	TPR—Ground	VR201	• Adjust for 300 mV.
24		TCC-130	TPL—Ground	VR301	• Adjust for 300 mV.

OPERATION OF AUTO-REVERSE DECK

INSERT ➡ PLAY

① Insert a cassette tape into the cassette holder.

② The cassette hook is unhooked and the cassette holder is set in tape loaded condition.

③ The slot arm is turned and the clutch gear lever is turned.

④ The clutch gear is meshed to the head action gear.

⑤ The head action gear rotates.

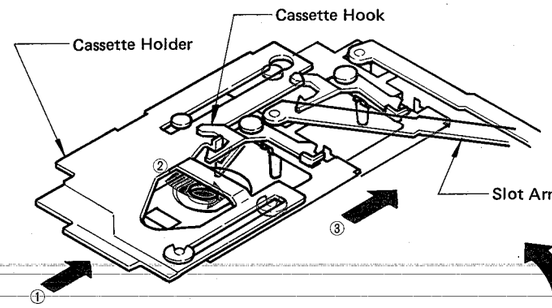
⑥ The head insertion link moves.

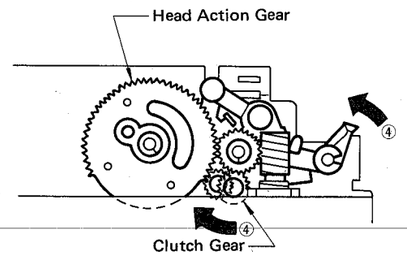
⑦ The head action plate (A) moves and the head action plate (B) turns.

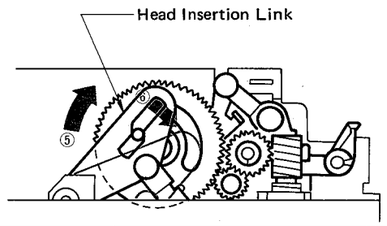
⑧ The chassis ass'y with pinch rollers moves to the cassette tape.

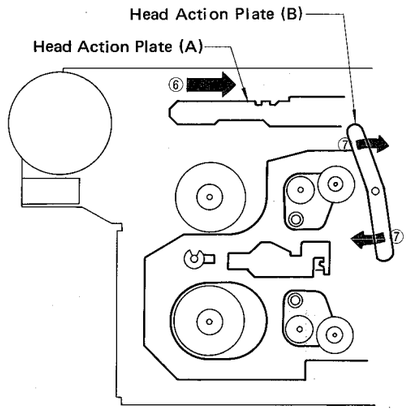
⑨ The play lock plate turns to the solenoid and the deck locks to play.

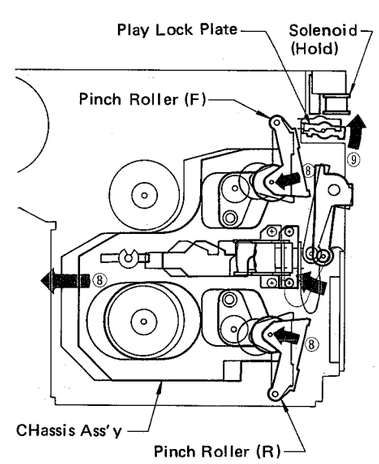
⑩ Motor driving system on playing . . . . . .

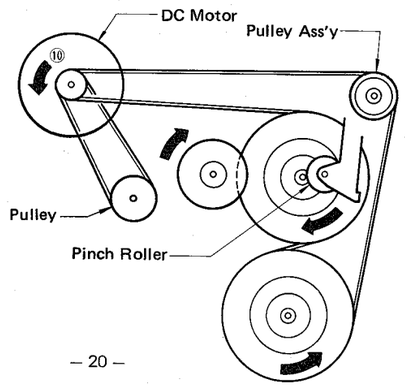












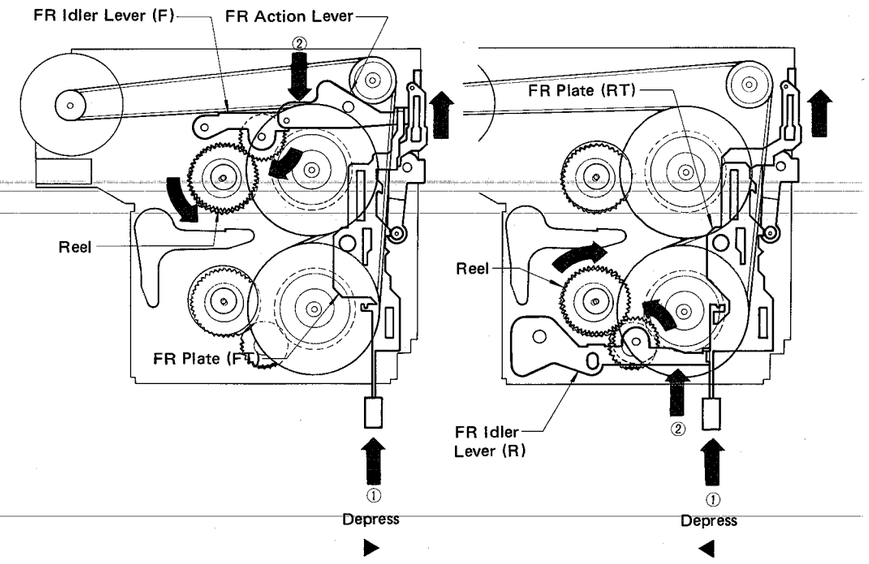
PLAY ➡ FF/REW

① Depress the FF button (▶) and the FR plate (FT) is slided backward until it is locked.

② The FR action lever rotates and the FR idler lever (F) is meshed to the reel.

③ Motor driving system on FF . . . . . .

Indepressing the FF button (◀), operation is same as above.



PLAY ➡ MANUAL PROGRAM SELECTOR

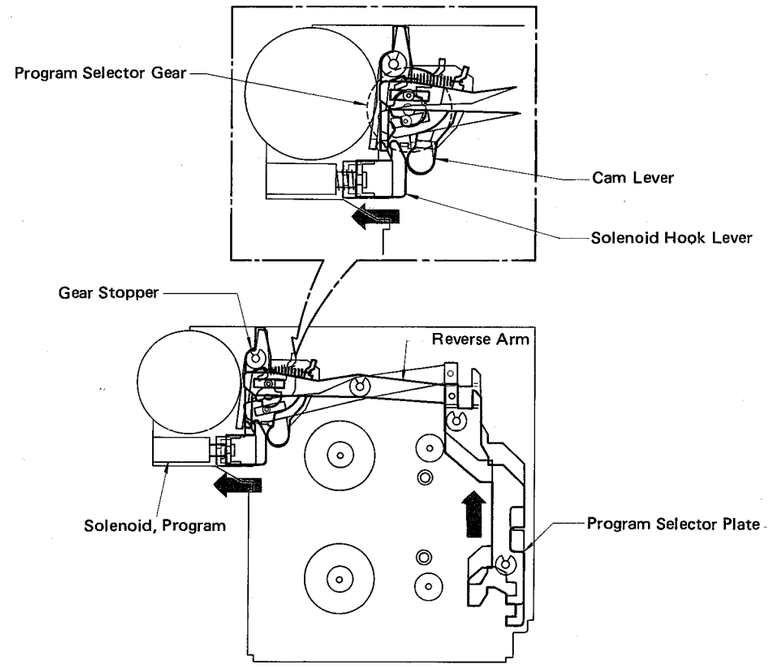
① Depress the program selector button.

② The program Solenoid is absorbed.

③ The gear stopper is unhooked through the solenoid hook lever.

④ The program selector gear rotates.

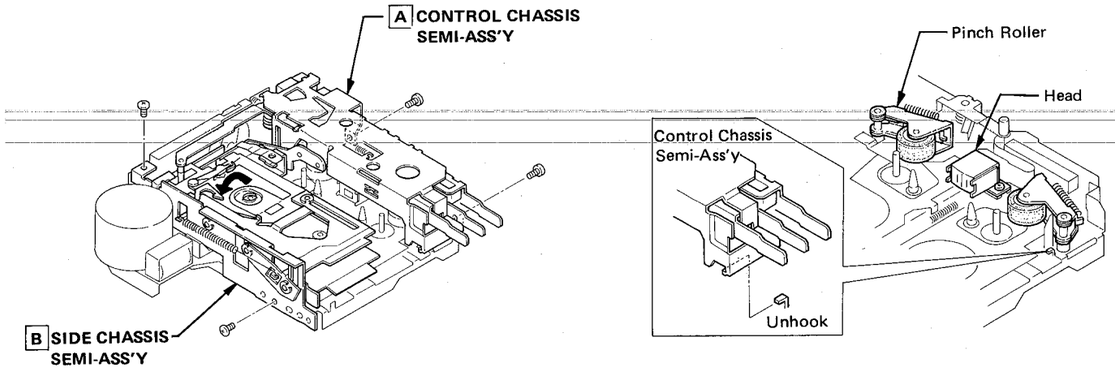
⑤ The reverse arm is turned and the program selector plate is slided.



SERVICING OF CASSETTE DECK

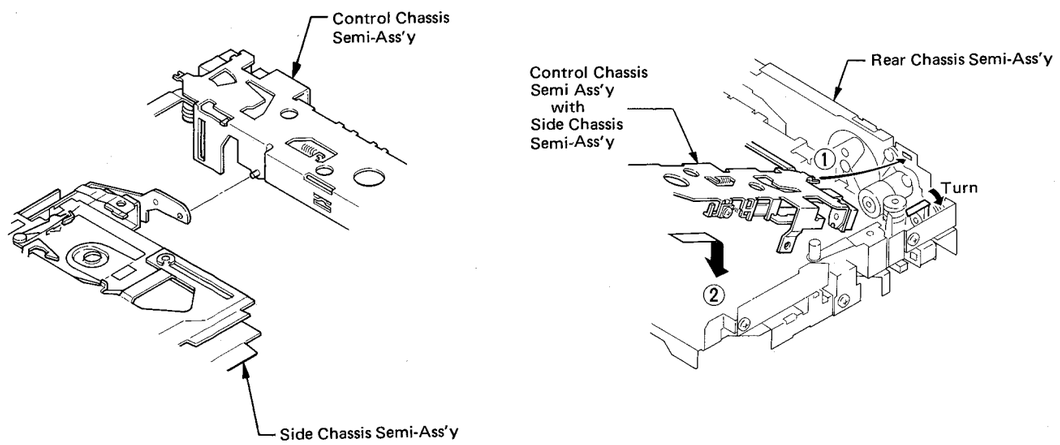
REPLACEMENT OF [A] CONTROL CHASSIS SEMI ASS'Y & [B] SIDE CHASSIS SEMI ASS'Y

1) Set the side chassis semi-ass'y in play condition by depressing the cassette hook.
2) Remove 4 screws.
3) Unhook the prong of the control chassis semi-ass'y and lift up it.
4) After removing the control chassis semi-ass'y and side chassis semi-ass'y, the pinch rollers and the head can be replaced.



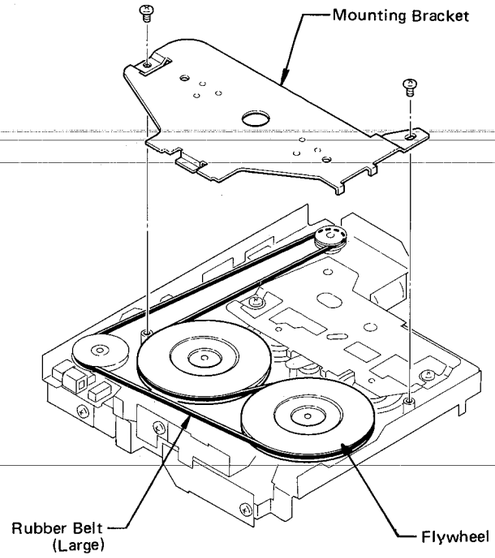
RE-INSTALLATION OF CONTROL CHASSIS SEMI-ASS'Y & SIDE CHASSIS SEMI-ASS'Y

1) Insert the boss of the control chassis semi-ass'y into the hole of the side chassis semi-ass'y.
2) Insert the control chassis semi-ass'y into the rear chassis semi-ass'y.



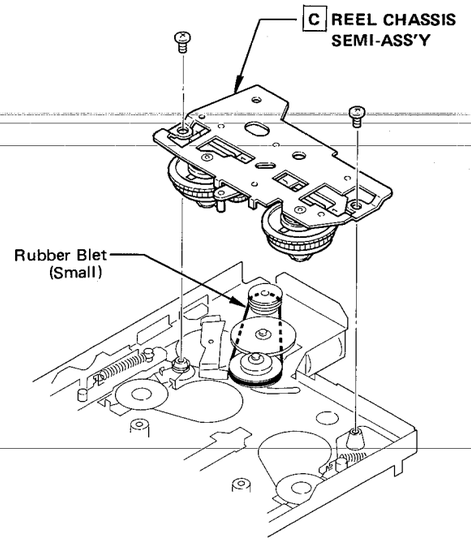
REPLACEMENT OF FLYWHEEL & BELT

1) Remove 2 screws.
2) After removing the mounting bracket, the flywheels and the rubber belt (large) can be replaced.



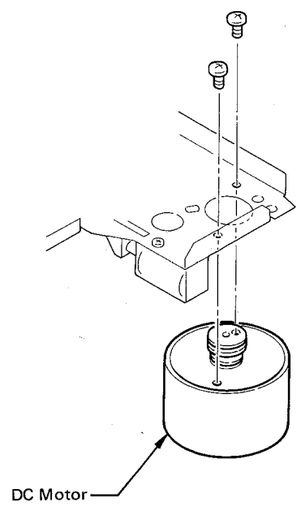
REPLACEMENT OF RUBBER BELT

1) Remove 2 screws.
2) After removing the reel chassis semi-ass'y, the rubber belt (small) can be replaced.



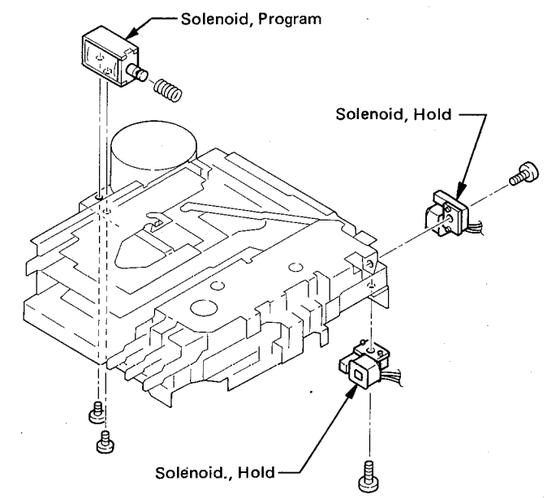
REPLACEMENT OF DC MOTOR

1) Remove 2 screws.

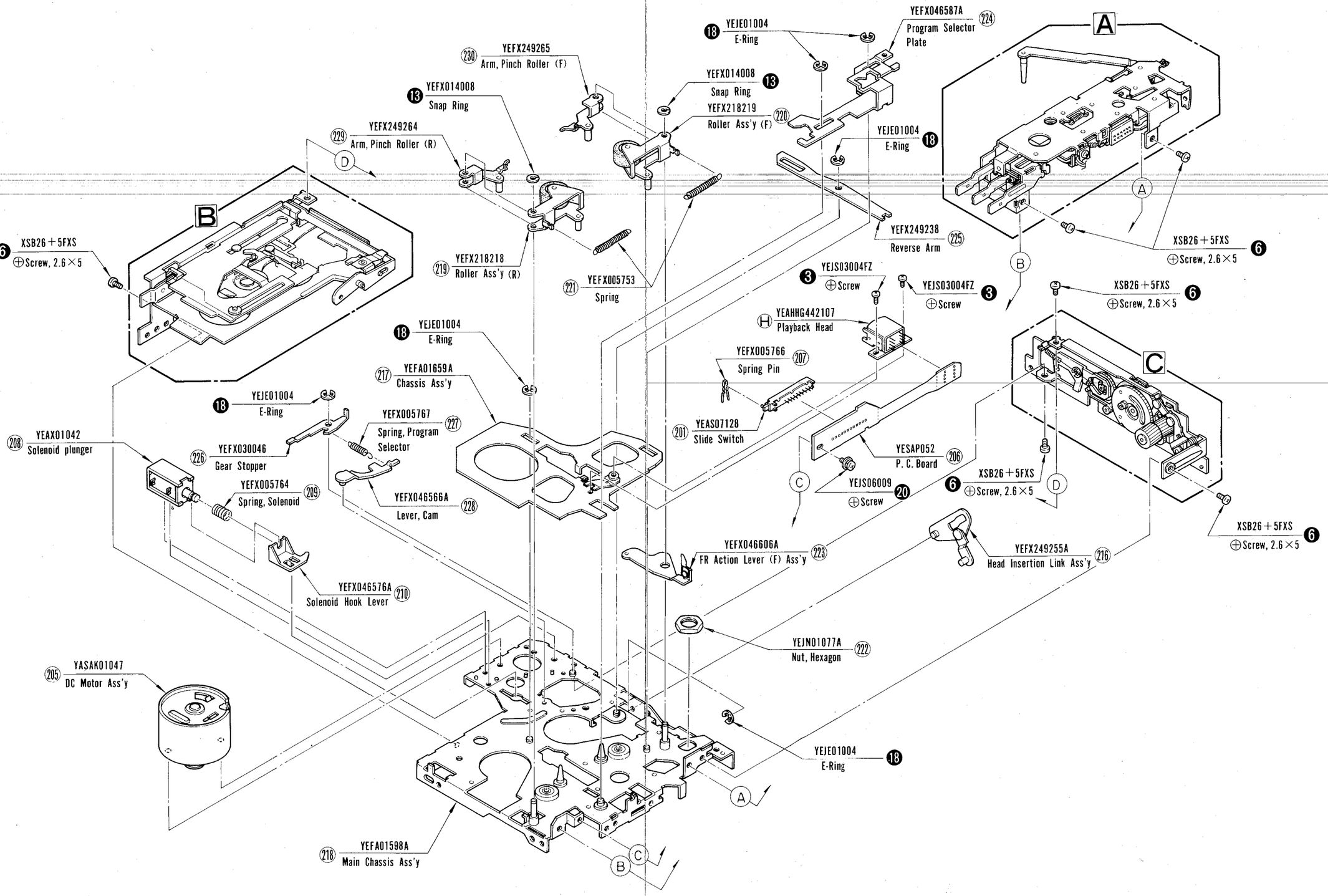


REPLACEMENT OF SOLENOID COIL

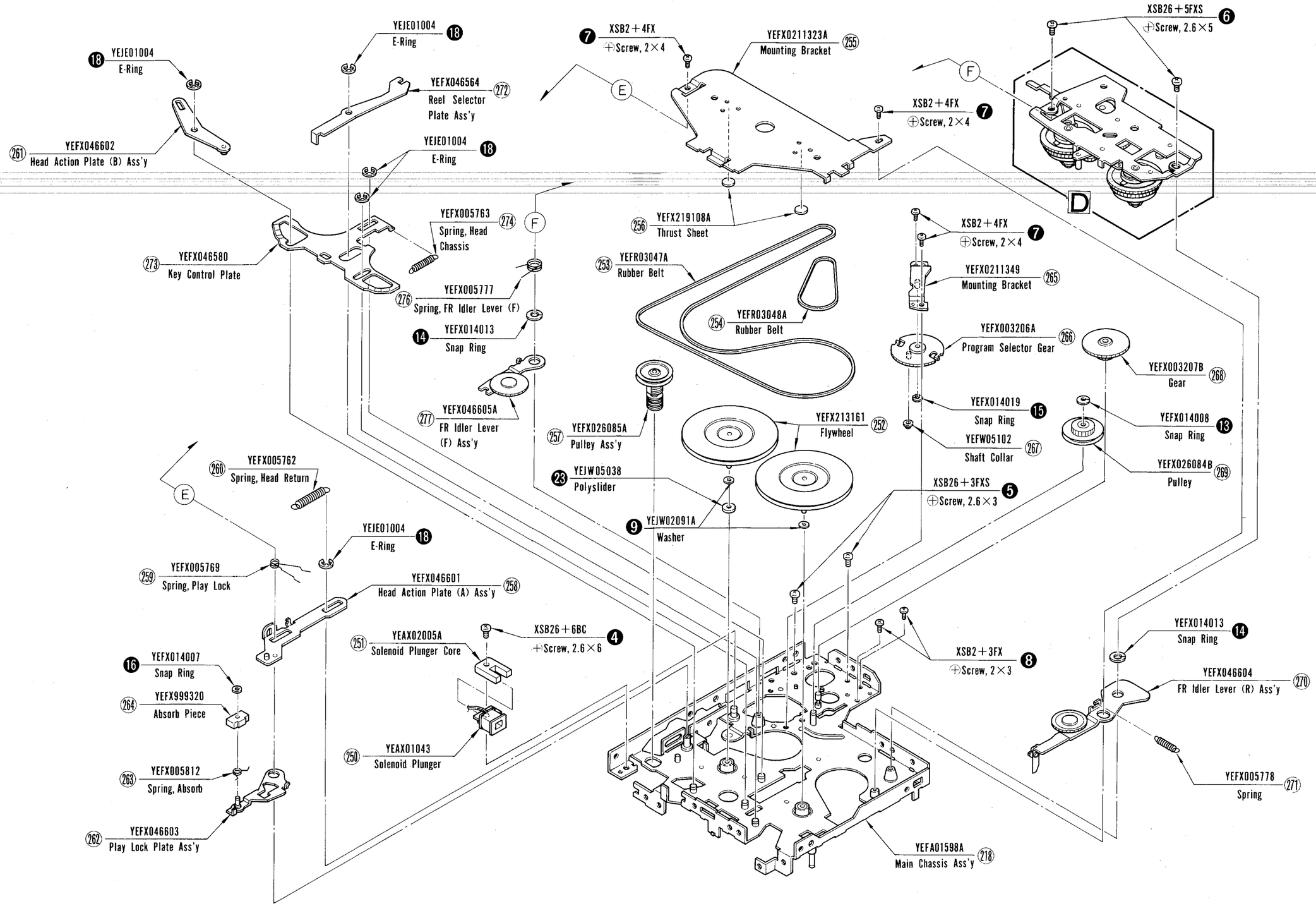
1) The each solenoids can be removed by the screw(s).



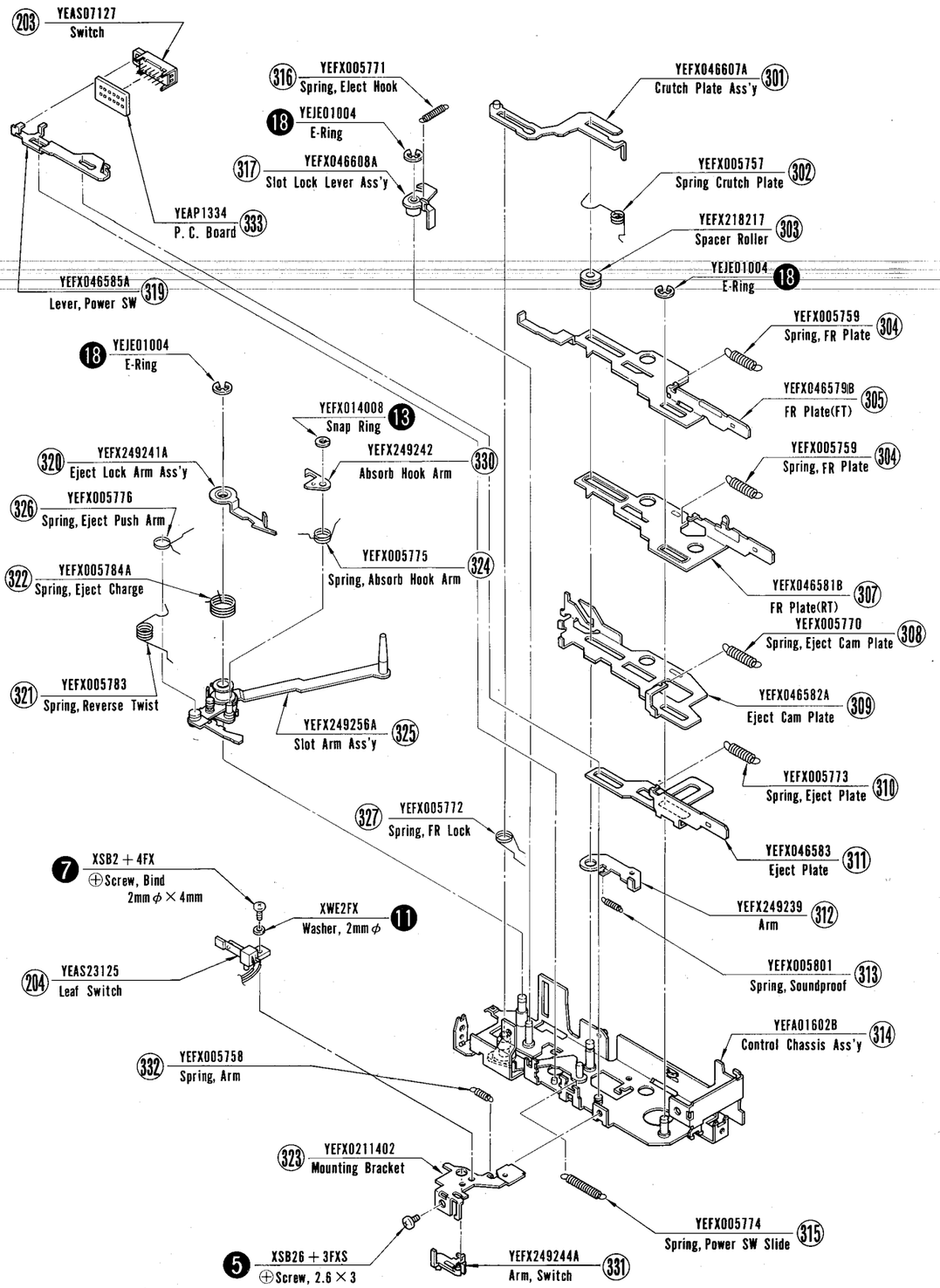
EXPLODED VIEW OF AUTO-REVERSE CASSETTE DECK(UPPER PORTION)



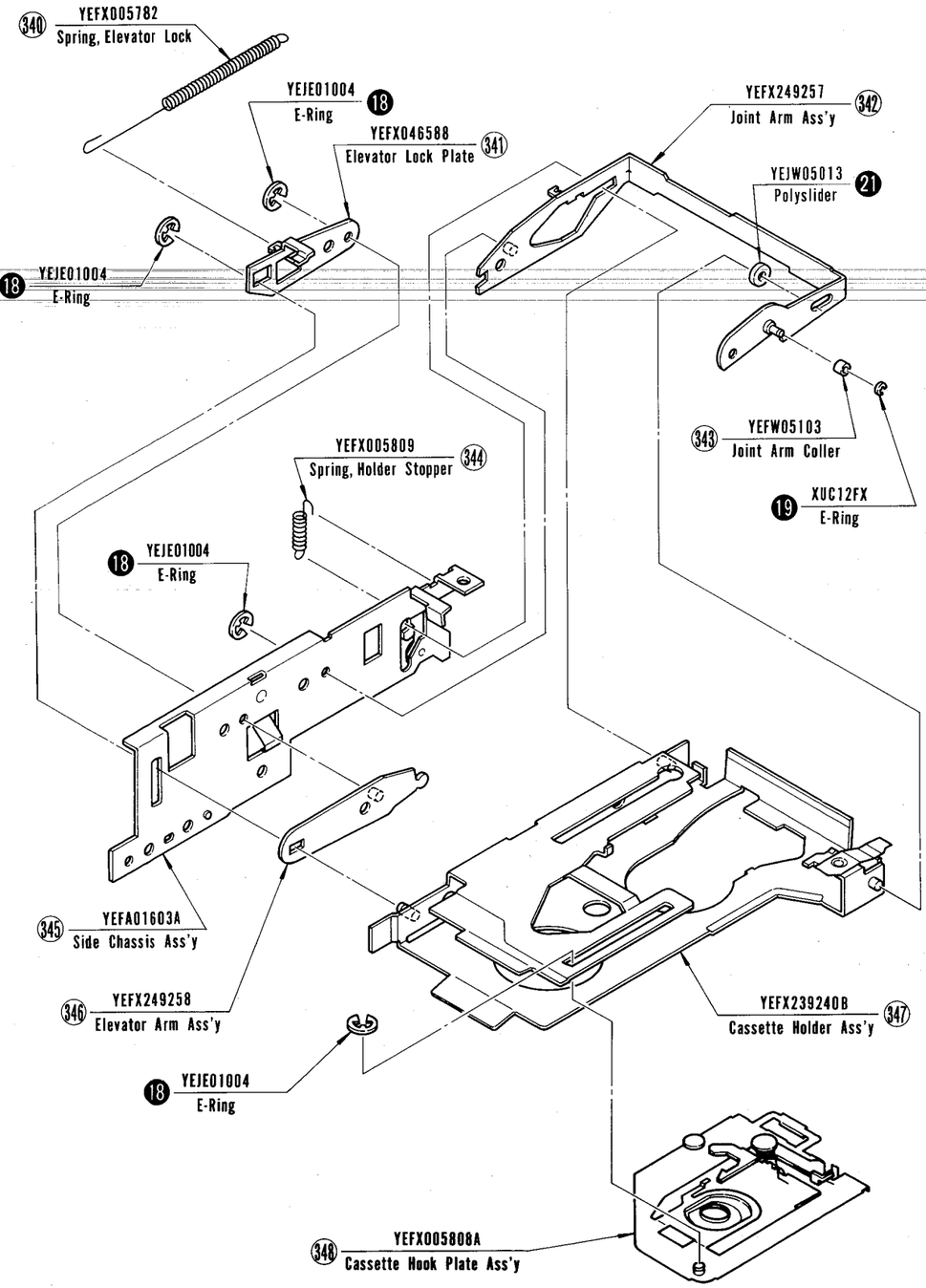
EXPLODED VIEW OF AUTO-REVERSE CASSETTE DECK(LOWER PORTION)


YEJE01004 18 E-Ring
YEFX046564 272 Reel Selector Plate Ass'y
YEJE01004 18 E-Ring
YEJE01004 18 E-Ring
261 YEFX046602 Head Action Plate (B) Ass'y
XSB2+4FX 7 ⊕Screw, 2×4
YEFX0211323A 255 Mounting Bracket
XSB26+5FXS 6 ⊕Screw, 2.6×5
XSB2+4FX 7 ⊕Screw, 2×4
E
F
D
YEFX005763 274 Spring, Head Chassis
273 YEFX046580 Key Control Plate
276 YEFX005777 Spring, FR Idler Lever (F)
14 YEFX014013 Snap Ring
277 YEFX046605A FR Idler Lever (F) Ass'y
256 YEFX219108A Thrust Sheet
253 YEFR03047A Rubber Belt
254 YEFR03048A Rubber Belt
XSB2+4FX 7 ⊕Screw, 2×4
YEFX0211349 265 Mounting Bracket
YEFX003206A 266 Program Selector Gear
YEFX003207B 268 Gear
YEFX014019 15 Snap Ring
YEFW05102 267 Shaft Collar
YEFX014008 13 Snap Ring
YEFX026084B 269 Pulley
257 YEFX026085A Pulley Ass'y
YEFX213161 252 Flywheel
23 YEJW05038 Polyslider
XSB26+3FXS 5 ⊕Screw, 2.6×3
9 YEJW02091A Washer
260 YEFX005762 Spring, Head Return
E
YEJE01004 18 E-Ring
259 YEFX005769 Spring, Play Lock
YEFX046601 258 Head Action Plate (A) Ass'y
251 YEAX02005A Solenoid Plunger Core
XSB26+6BC 4 ⊕Screw, 2.6×6
16 YEFX014007 Snap Ring
264 YEFX999320 Absorb Piece
250 YEAX01043 Solenoid Plunger
263 YEFX005812 Spring, Absorb
262 YEFX046603 Play Lock Plate Ass'y
XSB2+3FX 8 ⊕Screw, 2×3
YEFX014013 14 Snap Ring
YEFX046604 270 FR Idler Lever (R) Ass'y
YEFX005778 271 Spring
YEFA01598A 218 Main Chassis Ass'y

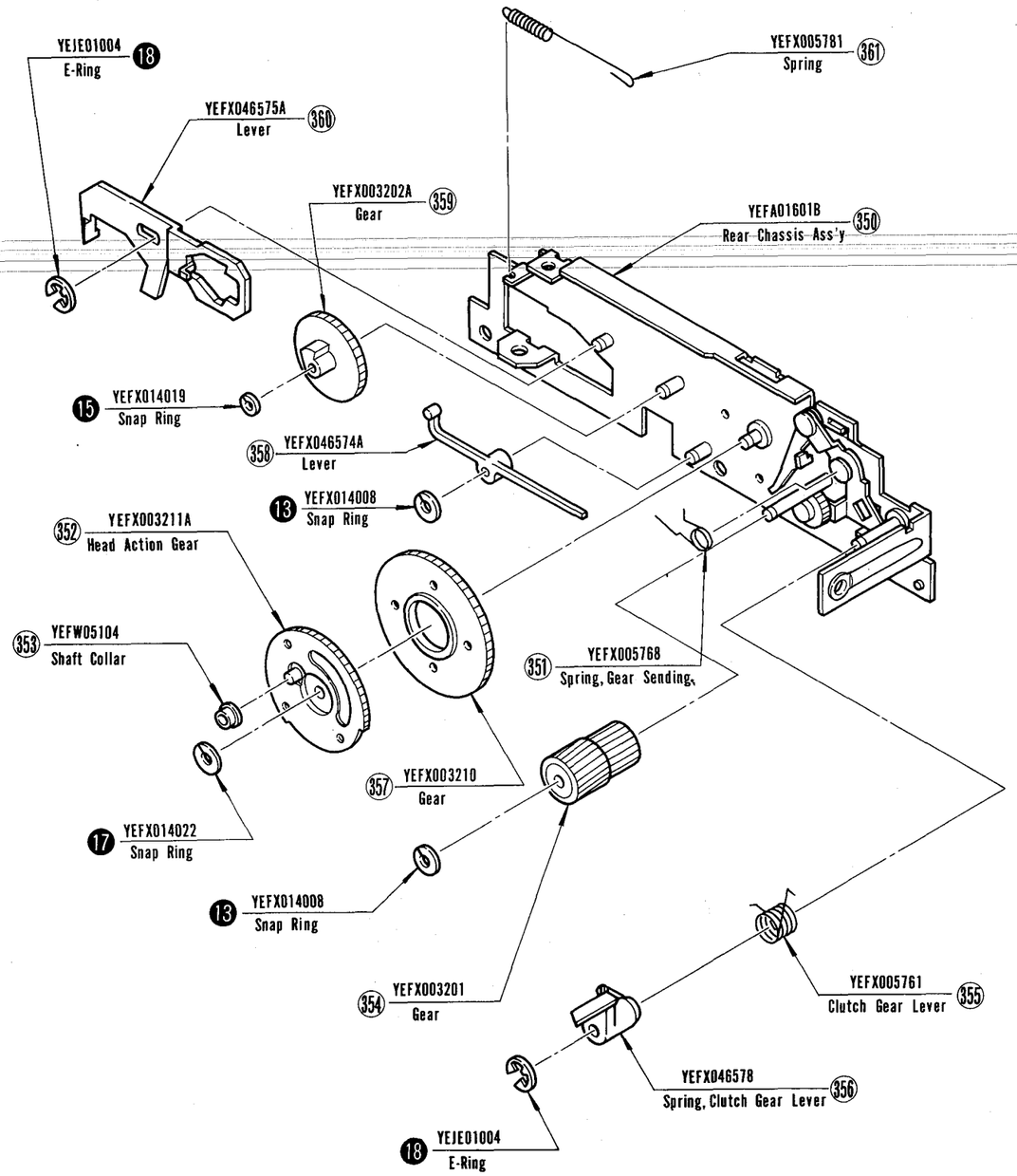
EXPLODED VIEW OF AUTO-REVERSE CASSETTE DECK-A


203 YEAS07127 Switch
316 YEFX005771 Spring, Elect Hook
18 YEJE01004 E-Ring
317 YEFX046608A Slot Lock Lever Ass'y
YEAP1334 P. C. Board 333
YEFX046585A Lever, Power SW 319
YEFX046607A Crutch Plate Ass'y 301
YEFX005757 Spring Crutch Plate 302
YEFX218217 Spacer Roller 303
18 YEJE01004 E-Ring
YEFX005759 Spring, FR Plate 304
YEFX046579B FR Plate(FT) 305
YEFX005759 Spring, FR Plate 304
YEFX046581B FR Plate(RT) 307
YEFX005770 Spring, Eject Cam Plate 308
YEFX046582A Eject Cam Plate 309
YEFX005773 Spring, Eject Plate 310
YEFX046583 Eject Plate 311
YEFX249239 Arm 312
YEFX005801 Spring, Soundproof 313
YEFA01602B Control Chassis Ass'y 314
YEFX005774 Spring, Power SW Slide 315
18 YEJE01004 E-Ring
13 YEFX014008 Snap Ring
320 YEFX249241A Eject Lock Arm Ass'y
YEFX249242 Absorb Hook Arm 330
326 YEFX005776 Spring, Eject Push Arm
YEFX005775 Spring, Absorb Hook Arm 324
322 YEFX005784A Spring, Eject Charge
321 YEFX005783 Spring, Reverse Twist
YEFX249256A Slot Arm Ass'y 325
327 YEFX005772 Spring, FR Lock
7 XSB2 + 4FX ⊕Screw, Bind 2mmφ × 4mm
XWE2FX Washer, 2mmφ 11
204 YEAS23125 Leaf Switch
332 YEFX005758 Spring, Arm
323 YEFX0211402 Mounting Bracket
5 XSB26 + 3FXS ⊕Screw, 2.6 × 3
YEFX249244A Arm, Switch 331

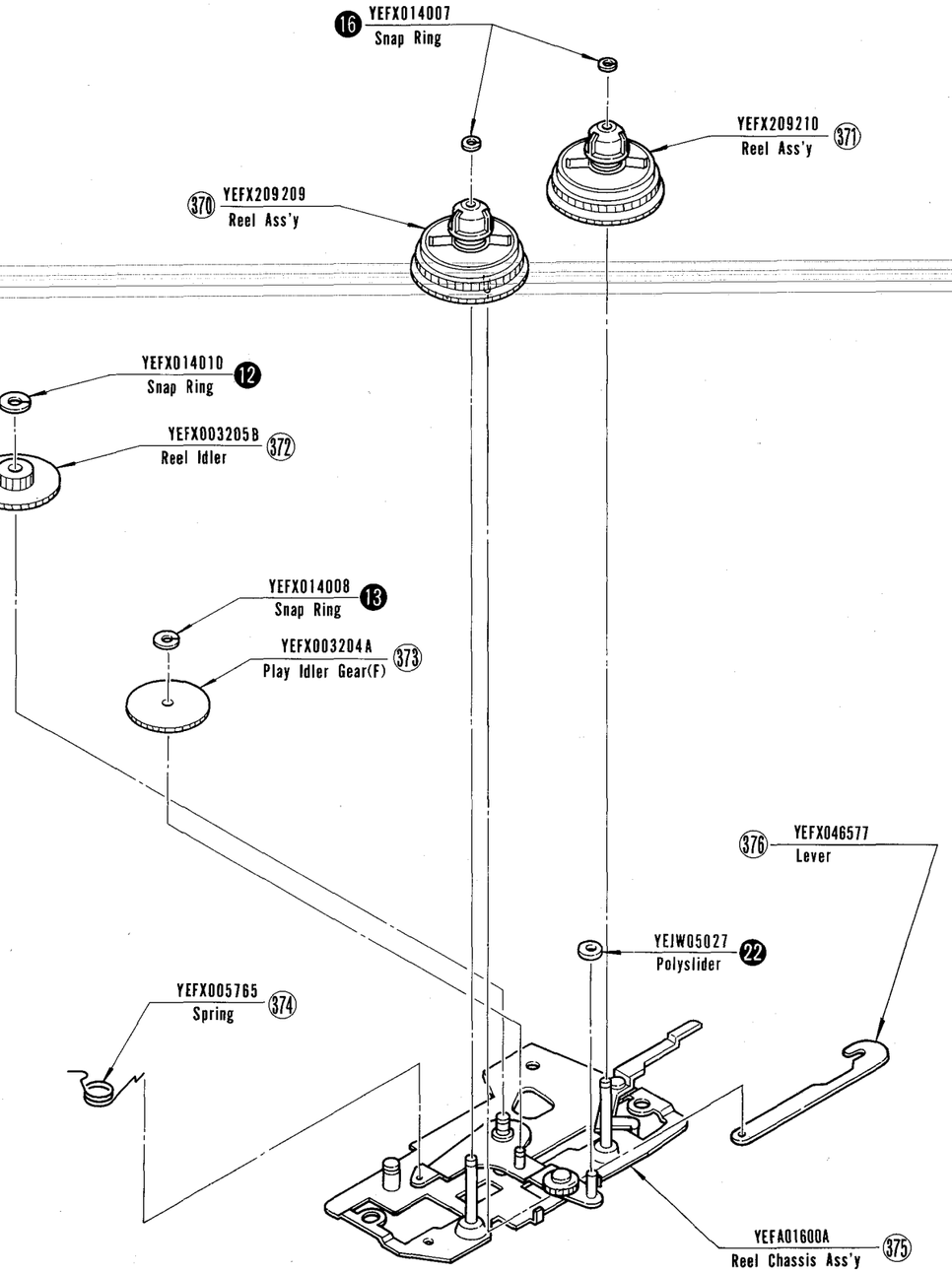
EXPLODED VIEW OF AUTO-REVERSE CASSETTE DECK-B


340 YEFX005782 Spring, Elevator Lock
YEJE01004 E-Ring 18
YEFX046588 Elevator Lock Plate 341
YEFX249257 Joint Arm Ass'y 342
YEJW05013 Polyslider 21
18 YEJE01004 E-Ring
343 YEFW05103 Joint Arm Coller
19 XUC12FX E-Ring
YEFX005809 Spring, Holder Stopper 344
18 YEJE01004 E-Ring
345 YEFA01603A Side Chassis Ass'y
346 YEFX249258 Elevator Arm Ass'y
YEFX239240B Cassette Holder Ass'y 347
18 YEJE01004 E-Ring
348 YEFX005808A Cassette Hook Plate Ass'y

EXPLODED VIEW OF AUTO-REVERSE CASSETTE DECK-C



EXPLODED VIEW OF AUTO-REVERSE CASSETTE DECK-D

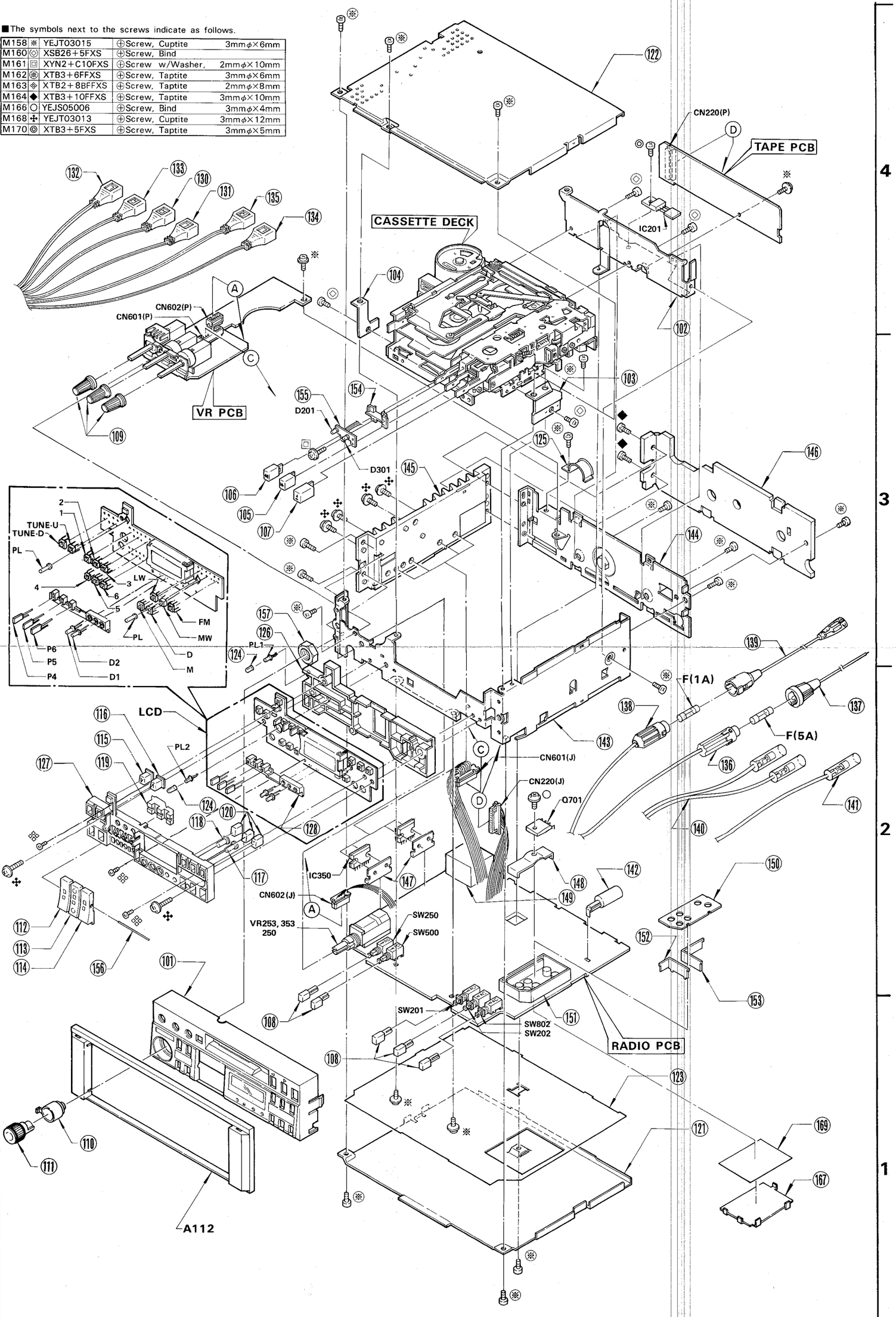


EXPLODED VIEW (UNIT)

■ Numbers in ○ are indicated REF. NO. in the REPLACEMENT PARTS LIST.

■The symbols next to the screws indicate as follows.

M158 ※	YEJT03015	⊕Screw, Cuptite	3mmφ×6mm
M160 ◇	XSB26+5FXS	⊕Screw, Bind	
M161 □	XYN2+C10FXS	⊕Screw w/Washer,	2mmφ×10mm
M162 ※	XTB3+6FFXS	⊕Screw, Taptite	3mmφ×6mm
M163 ◈	XTB2+8BFFXS	⊕Screw, Taptite	2mmφ×8mm
M164 ◆	XTB3+10FFXS	⊕Screw, Taptite	3mmφ×10mm
M166 ○	YEJS05006	⊕Screw, Bind	3mmφ×4mm
M168 ✣	YEJT03013	⊕Screw, Cuptite	3mmφ×12mm
M170 ◎	XTB3+5FXS	⊕Screw, Taptite	3mmφ×5mm



Replacement Parts List
Model NO. CQ-873EE/EG

NOTES:

1. Be sure to make your orders of replacement parts according to this list.
2. Important safety notice: Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Next to the Ref. No. in the parts list is a location key, to show the general location of the parts shown in the exploded drawing, as in a road map.

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
MISCELLANEOUS				
⚠F (2-C)	XBB1C10NR1	Fuse, 1A	1	
⚠F (2-C)	XBB1C50NS1	Fuse, 5A	1	
Z101	ERZD03DS331	Varister	1	
PL1 (3-A)	YEAL30606WL	Pilot Lamp	1	
PL2 (2-A)	YEAL31010WL	Pilot Lamp	1	
PL (3-A)	YEAL01079	Pilot Lamp	2	
CN220 (P) (4-C)	EMCS0952M	9P Plug	1	
CN220 (J) (2-B)	EMCM0912D61	9P Jack	1	
CN601 (P) (4-A)	EMCS0652M	6P Plug	1	
CN601 (J) (2-B)	EMCM0612D61	6P Jack	1	
CN602 (P) (4-A)	EMCS0452M	4P Plug	1	
CN602 (J) (2-B)	EMCM0410A51	4P Jack	1	
M101 (2-A)	YEFC021622	Escutchoen Ass'y	1	
M102 (4-C)	YEFX0211489	Mounting Bracket, Deck (rear)	1	
M103 (3-B)	YEFX0211490	Mounting Bracket, Deck (R)	1	
M104 (4-B)	YEFX0211491	Mounting Bracket, Deck (L)	1	
M105 (3-A)	YEFE13498	Button, FF (▶▶)	1	
M106 (3-A)	YEFE13499	Button, REW (◀◀)	1	
M107 (3-B)	YEFE13500	Button, EJECT	1	
M108 (2-B)	YEFE13501	Button, LOUD, ST/MONO, METAL, DX/LOC, DOLBY	5	
M109 (3-A)	YEFE11041	Knob, FAD, BASS, TRE	3	
M110 (1-A)	YEFE08209	Knob, BAL	1	
M111 (1-A)	YEFE07240	Knob, SW·VOL	1	
M112 (2-A)	YEFE13489	Button, Preset 1 & 4	1	
M113 (2-A)	YEFE13490	Button, Preset 2 & 5	1	
M114 (2-A)	YEFE13491	Button, Preset 3 & 6	1	
M115 (2-A)	YEFE13492	Button, TUNE Down (∨)	1	
M116 (2-A)	YEFE13493	Button, TUNE Up (∧)	1	
M117 (2-A)	YEFE13494	Button, D (Blue)	1	
M118 (2-A)	YEFE13495	Button, M (Gray)	1	
M119 (2-A)	YEFX001207	Panel Light	1	
M120 (2-A)	YEFE13497	Button, LW, MW, FM	3	
M121 (1-C)	YEFA05286	Bottom Cover	1	
M122 (4-C)	YEFA03591	Upper Cover	1	
M123 (1-C)	YEFV01608	Insulator	1	
M124 (2-A)	YEFK04385	Pilot Lamp Holder	2	
M125 (3-B)	YEFX007142	Cord Clamper	1	
M126 (3-A)	YEFX233188	Mounting Bracket, PCB	1	
M127 (2-A)	YEFX0211488	Mounting Bracket w/Program Button	1	
M128 (2-B)	YEFK06154	Holder, LCD	1	
M130 (4-A)	YEAJ04340A	Speaker Cord, Right (Black)	1	
M131 (4-A)	YEAJ04341A	Speaker Cord, Left (Black)	1	
M132 (4-A)	YEAJ03560	Speaker Cord, Left (White)	1	
M133 (4-A)	YEAJ03561	Speaker Cord, Right (White)	1	
M134 (4-B)	YEAJ03533A	Speaker Cord, Left (Black)	1	
M135 (4-A)	YEAJ03534A	Speaker Cord, Right (Black)	1	
M136 (2-C)	YEAJ01528	Power Supply Cord, Main	1	
M137 (2-C)	YEAJ01631	Power Supply Cord, Main	1	
M138 (2-C)	YEAJ01450	Power Supply Cord, Back-Up	1	
M139 (2-C)	YEAJ01451	Power Supply Cord, Back-Up	1	
M140 (2-C)	YEAJ01438	Power Supply Cord, Foot Switch	1	
M141 (2-C)	YEAJ01168	Power Supply Cord, Motor Antenna	1	
M142 (2-C)	YEAA10021A	Antenna Receptacle	1	
M143 (2-B)	YEFA01678	Chassis	1	
M144 (3-C)	YEFA08161	Rear Plate	1	
M145 (3-B)	YEFF01347A	Heat Sink	1	
M146 (3-C)	YEFF01369	Heat Sink	1	
M147 (2-B)	YEFX0211013	Mounting Bracket, IC	2	
M148 (2-B)	YEFX0211474	Mounting Bracket, Transistor	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
M149 (2-B)	YEFA13312	Case	1	
M150 (2-C)	YEFA13438	Case	1	
M151 (2-B)	YEAF13439	Case	1	
M152 (2-C)	YEFA13510	Case	1	
M153 (2-C)	YEFA13441	Case	1	
M154 (3-B)	YEFX018057	Mounting Bracket , LED	1	
M155 (3-B)	YEAP1335	P. C. Board	1	
M156 (2-A)	YEFW06840	Shaft , Preset Button	1	
M157 (3-B)	YEJN01037FX	Nut, Hexagon	1	
M158 ※	YEJT03015	⊕ Screw, Cuptite 3mmø x 6mm	4	
M160 ◇	XSB26 + 5FXS	⊕ Screw, Bind 2.6mmø x 5mm	5	
M161 ▣	XYN2 + C10FXS	⊕ Screw w/Washer 2mmø x 10mm	1	
M162 ※	XTB3 + 6FFXS	⊕ Screw, Taptite 3mmø x 6mm	15	
M163 ❖	XTB2 + 8BFFXS	⊕ Screw , Taptite 2mmø x 8mm	3	
M164 ◆	XTB3 + 10FFXS	⊕ Screw, Taptite 3mmø x 10mm	3	
M166 ○	YEJS05006	⊕ Screw, Bind 3mmø x 4mm	1	
M167 (1-C)	YEFA13511	Case	1	
M168 ✣	YEJT03013	⊕ Screw Cuptite 3mmø x 12mm	6	
M169 (1-C)	YEFV01611	Insulator	1	
M170 ◎	XTB3 + 5FXS	⊕ Screw, Taptite 3mmø x 5mm	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
TAPE PLAYER PARTS				
HEAD				
H	YEAHHG442107	Playback Head	1	
SWITCHES				
M201	YEAS07128	Slide Switch	1	
M203	YEAS07127	Slide Switch	1	
M204	YEAS23125	Leaf Switch	1	
MECHANICAL PARTS—UPPER PORTION				
M205	YASAK01047	DC Motor Ass'y w/Pulley	1	
M206	YESAP052	P. C. Board, Head	1	
M207	YEFX005766	Spring Pin	1	
M208	YEAX01042	Solenoid Plunger	1	
M209	YEFX005764	Spring, Slolenoid	1	
M210	YEFX046576B	Solenoid Hook Lever	1	
M216	YEFX249255A	Head Insertion Link Ass'y	1	
M217	YEFA01659A	Chassis Ass'y	1	
M218	YEFA01598A	Main Chassis Ass'y	1	
M219	YEFX218218	Roller Ass'y (R)	1	
M220	YEFX218219	Roller Ass'y (F)	1	
M221	YEFX005753	Spring, Pinch Roller	2	
M222	YEJN01077A	Nut, Hexagon	1	
M223	YEFX046606A	FR Action Lever (F) Ass'y	1	
M224	YEFX046587A	Program Selector Plate	1	
M225	YEFX249238	Reverse Arm	1	
M226	YEFX030046	Gear Stopper	1	
M227	YEFX005767	Spring, Program Selector	1	
M228	YEFX046566A	Lever, Cam	1	
M229	YEFX249264	Arm, Pinch Roller (R)	1	
M230	YEFX249265	Arm, Pinch Roller (F)	1	

Ref No.	Part No.	Part Name & Description	Pcs Set	Remarks
		MECHANICAL PARTS—LOWER PORTION		
M250	YEAX01043	Solenoid Plunger	1	
M251	YEAX02005A	Solenoid Plunger	1	
M252	YEFX213161	Flywheel	2	
M253	YEFR03047A	Rubber Belt, Main	1	
M254	YEFR03048A	Rubber Belt	1	
M255	YEFX0211323A	Mounting Bracket	1	
M256	YEFX219108A	Thrust Sheet	2	
M257	YEFX026085A	Pulley Ass'y	1	
M258	YEFX046601	Head Action Plate (A) Ass'y	1	
M259	YEFX005769	Spring, Play Lock	1	
M260	YEFX005762	Spring	1	
M261	YEFX046602	Head Action Plate (B) Ass'y	1	
M262	YEFX046603	Play Lock Plate Ass'y	1	
M263	YEFX005812	Spring, Absorb	1	
M264	YEFX999320	Absorb Piece	1	
M265	YEFX0211349	Mounting Bracket	1	
M266	YEFX003206A	Program Selector Gear	1	
M267	YEFW05102	Shaft Collar	1	
M268	YEFX003207B	Gear	1	
M269	YEFX026084B	Pulley	1	
M270	YEFX046604	FR Idler Lever (R) Ass'y	1	
M271	YEFX005778	Spring	1	
M272	YEFX046564	Reel Selector Plate Ass'y	1	
M273	YEFX046580	Key Control Plate	1	
M274	YEFX005763	Spring, Head Chassis	1	
M276	YEFX005777	Spring, FR Idler Lever (F)	1	
M277	YEFX046605A	FR Idler Lever (F) Ass'y	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
		[A] CONTROL CHASSIS SEMI-ASS'Y		
M301	YEFX046607A	Crutch Plate Ass'y	1	
M302	YEFX005757	Spring, Crutch Plate	1	
M303	YEFX218217	Spacer Roller	1	
M304	YEFX005759	Spring, FR Plate	2	
M305	YEFX046579B	FR Plate (FT)	1	
M307	YEFX046581B	FR Plate (RT)	1	
M308	YEFX005770	Spring, Eject Cam Plate	1	
M309	YEFX046582A	Eject Cam Plate	1	
M310	YEFX005773	Spring, Eject Plate	1	
M311	YEFX046583	Eject Plate	1	
M312	YEFX249239	Arm	1	
M313	YEFX005801	Spring, Soundproof	1	
M314	YEFA01602B	Control Chassis Ass'y	1	
M315	YEFX005774	Spring, Power SW Slider	1	
M316	YEFX005771	Spring, Eject Lock	1	
M317	YEFX046608A	Slot Lock Lever Ass'y	1	
M319	YEFX046585A	Lever, Power SW	1	
M320	YEFX249241A	Eject Lock Arm Ass'y	1	
M321	YEFX005783	Spring, Reverse Twist	1	
M322	YEFX005784A	Spring, Eject Charge	1	
M323	YEFX0211402	Mounting Bracket	1	
M324	YEFX005775	Spring, Absorb Hook Arm	1	
M325	YEFX249256A	Slot Arm Ass'y	1	
M326	YEFX005776	Spring, Eject Push Arm	1	
M327	YEFX005772	Spring, FR Lock	1	
M330	YEFX249242	Absorb Hook Arm	1	
M331	YEFX249244A	Arm, Switch	1	
M332	YEFX005758	Spring, Arm	1	
M333	YEAP1334	P. C. Board	1	

Ref. No.	Part No	Part Name & Description	Pcs Set	Remarks
		B SIDE CHASSIS SEMI-ASS'Y		
M340	YEFX005782	Spring, Elevator Lock	1	
M341	YEFX046588	Elevator Lock Plate	1	
M342	YEFX249257	Joint Arm Ass'y	1	
M343	YEFW05103	Joint Arm Collar	1	
M344	YEFX005809	Spring, Holder Stooper	1	
M345	YEFA01603A	Side Chassis Ass'y	1	
M346	YEFX249258	Elevator Arm Ass'y	1	
M347	YEFX239240B	Cassette Holder Ass'y	1	
M348	YEFX005808A	Cassette Holder Plate Ass'y	1	
		C REAR CHASSIS SEMI-ASS'Y		
M350	YEFA01601B	Rear Chassis Ass'y	1	
M351	YEFX005768	Spring, Gear Sending	1	
M352	YEFX003211A	Head Action Gear	1	
M353	YEFW05104	Shaft Collar	1	
M354	YEFX003201	Gear	1	
M355	YEFX005761	Spring, Crutch Gear Lever	1	
M356	YEFX046578	Crutch Gear Lever	1	
M357	YEFX003210	Gear	1	
M358	YEFX046574A	Lever	1	
M359	YEFX003202A	Gear	1	
M360	YEFX046575A	Lever	1	
M361	YEFX005781	Spring	1	
		D REEL CHASSIS SEMI-ASS'Y		
M370	YEFX209209	Reel Ass'y	1	
M371	YEFX209210	Reel Ass'y	1	
M372	YEFX003205B	Reel Idler Gear	1	
M373	YEFX003204A	Play Idler Gear (F)	1	
M374	YEFX005765	Spring	1	
M375	YEFA01600A	Reel Chassis Ass'y	1	
M376	YEFX046577	Lever	1	

Ref. No.	Part No.	Part Name & Description		Pcs Set	Remarks
		SCREWS, WASHERS, SNAP RINGS & E-RINGS			
M3	YEJS03004FZ	⊕ Screw		2	
M4	XSB26 + 6BC	⊕ Screw, Bind	2.6mmø x 6mm	1	
M5	XSB26 + 3FXS	⊕ Screw, Bind	2.6mmø x 3mm	3	
M6	XSB26 + 5FXS	⊕ Screw, Bind	2.6mmø x 5mm	8	
M7	XSB2 + 4FX	⊕ Screw, Bind	2mmø x 4mm	4	
M8	XSB2 + 3FX	⊕ Screw, Bind	2mmø x 3mm	2	
M9	YEJW02091A	Washer, Flat		2	
M11	XWE2FX	Washer,	2mmø	1	
M12	YEFX014010	Snap Ring		1	
M13	YEFX014008	Snap Ring		6	
M14	YEFX014013	Snap Ring		2	
M15	YEFX014019	Snap Ring		2	
M16	YEFX014007	Snap Ring		3	
M17	YEFX014022	Snap Ring		1	
M18	YEJE01004	E-Ring		21	
M19	XUC12FX	E-Ring		1	
M20	YEJS06009	Screw		1	
M21	YEJW05013	Polyslider		1	
M22	YEJW05027	Polyslider		1	
M23	YEJW05038	Polyslider		1	

ICs AND TRANSISTORS

RADIO BLOCK

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
MJ51	YEP0PTM125AB	Module, FM RF Amp, Conv.	1	
MJ150	YEP0PTM139AA	Module, FM IF Amp w/Detector	1	
MJ500	YEP0PTM149AA	Module, FM INQ, MPX Amp	1	
IC100	YEAMLA1130	LW/MW Conv., IF Amp w/Detector	1	
IC250,350	YEAMMB3730	AF Power Amp	2	
IC701	AN7808	Voltage Stabilizer	1	
IC801	YEAM1710G022	Microcomputer	1	
IC802	YEAMUPB553	FM Prescaler	1	
IC803	YEAMNJM78L05	Voltage Stabilizer	1	
IC805	YEAMHH03S	AM Search	1	
IC806	YEAMHH02S	FM Search	1	
Q51	YEAN3SK101	FM RF Amp	1	
Q52, 106	YEANC1623T2	DX/LOCAL Control, SSC Control	8	
110, 111, 252		Power Control, Muting		
253, 501, 502				
Q53	2SB643	Power Control	1	
Q54, 100	2SD636	Power Control, LW/MW AGC	9	
101, 107		DX/LOCAL Control,Muting		
352, 807, 812		Switching		
801, 803, 813				
Q102, 103, 105	YEANC1009AT2	LW/MW AGC	3	
Q104	YEAN2SK117BL	LW/MW RF Amp	1	
Q108, 109	YEANB624T2.	Power Control	2	
Q701	2SC1847	Voltage Stabilizer	1	
Q805	YEAN2SK336	Low Pass Filter	1	
Q806	YEANA812T2	Mute Switching	1	

TAPE BLOCK

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
IC201	YEAMLA3161	Tape EQ Amp	1	
IC202	YEAMHA12047	Dolby NR	1	
IC203	AN7808	Voltage Stabilizer	1	
Q201, 221	2SD636	EQ Switching, Switching	4	
222, 301				
Q220	2SB643	Power Control	1	
Q223	2SD966	Solenoid Control	1	

SWITCHING BLOCK

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
Q251, 351	2SD636	AF Amp	2	

DIODES

RADIO BLOCK

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
D51 to 53	YEADBB204B	FM Varactor	3	
D54,	MA165	Switching	24	
103, 109				
111, 115				
117 to 119				
501 to 504				
801 to 807				
809				
811 to 814				
D56	MA150	Switching	1	
D101, 102	MA151KTW	Switching	11	
105, 106, 108				
112 to 114				
116, 702, 808				
D104, 107, 110	YEADSVC321CD	AM Varactor	3	
D701	YEAD10E2	IC Protection	1	
D703	YEADRD91EB2	Voltage Stabilizer	1	
D817, 818	MA1051LM	Voltage Stabilizer	2	
D819	YEADWZ081	Voltage Stabilizer	1	
D822	YEADRD56JB3	Voltage Stabilizer	1	

TAPE BLOCK

D202, 220, 302	MA165	Protection	3	
D221, 222	YEAD10E2	Protection	2	

LED BLOCK

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
D1	LN38GP	LED Indicater, DOLBY (Green)	1	
D2	LN28RP	LED Indicater,FM ST (Red)	1	
P1 to P6	YEADAA4553K	LED Indicater, Preset 1 to 6	6	

MAIN UNIT

D201, 301	YEADTLPG163	LED Indicater, FF/REW	2	

CRYSTALS

X801	YEXL43U04500	Crystal 4.5 MHz	1	
X802	YEXL43U11520	Crystal 11.52 MHz	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
CAPACITORS				
RADIO BLOCK				
C51	YECUV1H060DM	6 PF 50WV ±0.5 PF Chip	1	
C52	YECUV1H100DM	10 PF 50WV ±0.5 PF Chip	1	
C53	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C55	YECUV1H471JM	470 PF 50WV ±5% Chip	1	
C56	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C57	YECUV1H471JM	470 PF 50WV ±5% Chip	1	
C58	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C60	YECUV1H100DM	10 PF 50WV ±0.5 PF Chip	1	
C63	ECEA1CK100	10 MFD 16WV Electrolytic	1	
C64	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C65	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C102	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C103	ECEA1EK4R7	4.7 MFD 25WV Electrolytic	1	
C104	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C105	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C106	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C107	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C108	YECUV1H223KX	0.022 MFD 50WV ±10% Chip	1	
C109	YECUV1E473KX	0.047 MFD 25WV ±10% Chip	1	
C110	YECUV1H223KX	0.022 MFD 50WV ±10% Chip	1	
C111	YECUV1H223KX	0.022 MFD 50WV ±10% Chip	1	
C113	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C114	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C116	YECUV1H153KX	0.015 MFD 50WV ±10% Chip	1	
C117	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C118	YECUV1H273KX	0.027 MFD 50WV ±10% Chip	1	
C119	YECUV1E104ZF	0.1 MFD 25WV +80, −20% Chip	1	
C120	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C122	YECUV1H271JM	270 PF 50WV ±5% Chip	1	
C123	YECUV1H221JM	220 PF 50WV ±5% Chip	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
C124	YECUV1H221JM	220 PF 50WV ±5% Chip	1	
C125	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C126	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C128	YECUV1H223KX	0.022 MFD 50WV ±10% Chip	1	
C129	ECEA1AK470	47 MFD 10WV Electrolytic	1	
C130	YECUV1H223KX	0.022 MFD 50WV ±10% Chip	1	
C132	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C134	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C135	YECUV1H222KX	0.0022 MFD 50WV ±10% Chip	1	
C136	ECEA1AK470	47 MFD 10WV Electrolytic	1	
C137	YECUV1H223KX	0.022 MFD 50WV ±10% Chip	1	
C138	ECEA1AK330	33 MFD 10WV Electrolytic	1	
C139	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C140	ECEA1HKR47	0.47 MFD 50WV Electrolytic	1	
C141	YECUV1H223KX	0.022 MFD 50WV ±10% Chip	1	
C142	YECUV1H223KX	0.022 MFD 50WV ±10% Chip	1	
C143	YECUV1H220JM	22 PF 50WV ±5% Chip	1	
C144	ECEA1HKR22	0.22 MFD 50WV Electrolytic	1	
C145	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C146	YECUV1H100DM	10 PF 50WV ±0.5 PF Chip	1	
C147	ECEA1AK330	33 MFD 10WV Electrolytic	1	
C148	ECEA1CK100	10 MFD 16WV Electrolytic	1	
C150	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C151	YECUV1H100DM	10 PF 50WV ±0.5 PF Chip	1	
C152	YECUV1H080DM	8 PF 50WV ±0.5 PF Chip	1	
C153	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C154	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C155	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C156	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C256	YECUV1H472KX	0.0047 MFD 50WV ±10% Chip	1	
C257	ECSF1VE334	0.33 MFD 35WV Tantalum	1	
C258	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C259	YECCD1E102KB	0.001 MFD 50WV ±10% Ceramic	1	
C260	ECEA0JS470	47 MFD 6WV Electrolytic	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
C261	ECEA1AS221	220 MFD 10WV Electrolytic	1	
C262	YECAE1ER15ZK	0.15 MFD 25WV +80, –20% Ceramic	1	
C263	YECAE1ER15ZK	0.15 MFD 25WV +80, –20% Ceramic	1	
C270	ECEA0JK101	100 MFD 6WV Electrolytic	1	
C271	ECEA1CK100	10 MFD 16WV Electrolytic	1	
C272	ECEA1CS222SZ	2200 MFD 16WV Electrolytic	1	
C356	YECUV1H472KX	0.0047 MFD 50WV ±10% Chip	1	
C357	ECSF1VE334	0.33 MFD 35WV Tantalum	1	
C358	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C359	YECCD1E102KB	0.001 MFD 50WV ±10% Ceramic	1	
C360	ECEA0JS470	47 MFD 6WV Electrolytic	1	
C361	ECEA1AS221	220 MFD 10WV Electrolytic	1	
C362	YECAE1ER152K	0.15 MFD 25WV +80, –20% Ceramic	1	
C363	YECAE1ER152K	0.15 MFD 25WV +80, -20% Ceramic	1	
C501	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C502	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C503	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C504	YECQX1H682M	0.0068 MFD 50WV ±20% Polyester	1	
C505	YECQP2A471J	470 PF 100WV ±5% Polyester	1	
C506	ECEA1HK2R2	2.2 MFD 50WV Electrolytic	1	
C507	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C508	ECEA1EK3R3	3.3 MFD 25WV Electrolytic	1	
C509	YECUV1H273KX	0.027 MFD 50WV ±10% Chip	1	
C510	YECUV1H273KX	0.027 MFD 50WV ±10% Chip	1	
C511	YECUV1E393KX	0.039 MFD 25WV ±10% Chip	1	
C512	YECUV1E393KX	0.039 MFD 25WV ±10% Chip	1	
C513	YECUV1H183KX	0.018 MFD 50WV ±10% Chip	1	
C514	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C515	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C701	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C702	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C703	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C704	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C705	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
C705	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C706	ECEA1CK470	47 MFD 16WV Electrolytic	1	
C707	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C708	ECEA1CK470	47 MFD 16WV Electrolytic	1	
C709	ECEA1CK100	10 MFD 16WV Electrolytic	1	
C801	YECUV1H470JM	47 PF 50WV ±5% Chip	1	
C802	YECUV1H470JM	47 PF 50WV ±5% Chip	1	
C803	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C804	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C805	ECEA1AK470	47 MFD 10WV Electrolytic	1	
C806	ECSF1VE475	4.7 MFD 35WV Tantalum	1	
C807	ECEA1CK470	47 MFD 16WV Electrolytic	1	
C808	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C809	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C810	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C811	YECUV1H220JM	22 PF 50WV ±5% Chip	1	
C813	ECEA0JK101	100 MFD 6WV Electrolytic	1	
C814	ECEA1CK100	10 MFD 16WV Electrolytic	1	
C815	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C817	ECEA1HKR22	0.22 MFD 50WV Electrolytic	1	
C818	ECEA1AK470	47 MFD 10WV Electrolytic	1	
C819	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
C821	YECUV1H103KX	0.01 MFD 50WV ±10% Chip	1	
CS701	YECCL55B222M	2200 PF Feedthrough	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
		TAPE BLOCK		
C201	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C202	ECEA0JS101	100 MFD 6WV Electrolytic	1	
C203	YECQX1H273K	0.027 MFD 50WV ±10% Polyester	1	
C204	ECEA1CK100	10 MFD 16WV Electrolytic	1	
C205	YECQX1H473K	0.047 MFD 50WV ±10% Polyester	1	
C206	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C207	YECQX1H472J	0.0047 MFD 50WV ±5% Polyester	1	
C208	ECEA1EK4R7	4.7 MFD 25WV Electrolytic	1	
C209	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C210	ECQV05183JZ	0.018 MFD 50WV ±5% Polyester	1	
C211	ECEA1HKR22	0.22 MFD 50WV Electrolytic	1	
C212	ECSF1VE684	0.68 MFD 35WV Tantalum	1	
C213	YECQX1H333J	0.033 MFD 50WV ±5% Polyester	1	
C220	ECEA1AS470	47 MFD 10WV Electrolytic	1	
C221	ECEA1CS470	47 MFD 16WV Electrolytic	1	
C222	ECEA1CV102WX	1000 MFD 16WV Electrolytic	1	
C223	ECEA1AS221	220 MFD 10WV Electrolytic	1	
C224	ECEA1CK100	10 MFD 16WV Electrolytic	1	
C225	ECEA1CS470	47 MFD 16WV Electrolytic	1	
C301	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C302	ECEA0JS101	100 MFD 6WV Electrolytic	1	
C303	YECQX1H273K	0.027 MFD 50WV ±10% Polyester	1	
C304	ECEA1CK100	10 MFD 16WV Electrolytic	1	
C305	YECQX1H473K	0.047 MFD 50WV ±10% Polyester	1	
C306	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C307	YECQX1H472J	0.0047 MFD 50WV ±5% Polyester	1	
C308	ECEA1EK4R7	4.7 MFD 25WV Electrolytic	1	
C309	ECEA1HK010	1 MFD 50WV Electrolytic	1	
C310	ECQV05183JZ	0.018 MFD 50WV ±5% Polyester	1	
C311	ECEA1HKR22	0.22 MFD 50WV Electrolytic	1	
C312	ECSF1VE684	0.68 MFD 35WV Tantalum	1	
C313	YECQX1H333J	0.033 MFD 50WV ±5% Polyester	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
C325	YECQX1H103K	0.01 MFD 50WV ±5% Polyester	1	
		SWITCHING BLOCK		
C251	ECEA1CK100	10 MFD 16WV Electrolytic	1	
C252	YECUV1H682KX	0.0068 MFD 50WV ±10% Chip	1	
C253	YECUV1E333KX	0.033 MFD 25WV ±10% Chip	1	
C254	YECUV1E393KX	0.039 MFD 25WV ±10% Chip	1	
C255	ECEA1HKR22	0.22 MFD 50WV Electrolytic	1	
C351	ECEA1CK100	10 MFD 16WV Electrolytic	1	
C352	YECUV1H682KX	0.0068 MFD 50WV ±10% Chip	1	
C353	YECUV1E333KX	0.033 MFD 25WV ±10% Chip	1	
C354	YECUV1E393KX	0.039 MFD 25WV ±10% Chip	1	
C355	ECEA1HKR22	0.22 MFD 50WV Electrolytic	1	
C607	ECEA1EK4R7	4.7 MFD 25WV Electrolytic	1	
C608	ECEA1EK4R7	4.7 MFD 25WV Electrolytic	1	

RESISTORS

RADIO BLOCK

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
R51	ERDS2TJ104	100k OHM 1/4W ±5% Carbon	1	
R52	ERD10TLJ104	100k OHM 1/8W ±5% Chip	1	
R53	ERD10TLJ104	100k OHM 1/8W ±5% Chip	1	
R54	ERD10TLJ104	100k OHM 1/8W ±5% Chip	1	
R55	ERD10TLJ104	100k OHM 1/8W ±5% Chip	1	
R56	ERD10TLJ273	27k OHM 1/8W ±5% Chip	1	
R57	ERDS2TJ222	2.2k OHM 1/4W ±5% Carbon	1	
R58	ERD10TLJ103	10k OHM 1/8W ±5% Chip	1	
R59	ERDS2TJ393	39k OHM 1/4W ±5% Carbon	1	
R60	ERD10TLJ102	1k OHM 1/8W ±5% Chip	1	
R61	ERD10TLJ473	47k OHM 1/8W ±5% Chip	1	
R62	ERD10TLJ271	270 OHM 1/8W ±5% Chip	1	
R100	ERD10TLJ150	15 OHM 1/8W ±5% Chip	1	
R101	ERD10TLJ680	68 OHM 1/8W ±5% Chip	1	
R102	ERD10TLJ330	33 OHM 1/8W ±5% Chip	1	
R103	ERD10TLJ333	33k OHM 1/8W ±5% Chip	1	
R104	ERD10TLJ332	3.3k OHM 1/4W ±5% Chip	1	
R105	ERD10TLJ224	220k OHM 1/8W ±5% Chip	1	
R106	ERDS2TJ562	5.6k OHM 1/4W ±5% Carbon	1	
R107	ERD10TLJ564	560k OHM 1/8W ±5% Chip	1	
R108	ERDS2TJ820	82 OHM 1/4W ±5% Carbon	1	
R109	ERD10TLJ472	4.7k OHM 1/8W ±5% Chip	1	
R110	ERD10TLJ564	560k OHM 1/8W ±5% Chip	1	
R111	ERDS2TJ820	82 OHM 1/4W ±5% Carbon	1	
R112	ERD10TLJ470	47 OHM 1/8W ±5% Chip	1	
R113	ERDS2TJ101	100 OHM 1/4W ±5% Carbon	1	
R114	ERD10TLJ104	100k OHM 1/8W ±5% Chip	1	
R115	ERD10TLJ224	220k OHM 1/8W ±5% Chip	1	
R116	ERDS2TJ472	4.7k OHM 1/4W ±5% Carbon	1	
R117	ERD10TLJ472	4.7k OHM 1/8W ±5% Chip	1	
R118	ERDS2TJ104	100k OHM 1/4W ±5% Carbon	1	
R119	ERDS2TJ472	4.7k OHM 1/4W ±5% Carbon	1	
R120	ERD10TLJ104	100k OHM 1/8W ±5% Chip	1	
R121	ERD10TLJ564	560k OHM 1/8W ±5% Chip	1	
R122	ERD10TLJ331	330 OHM 1/8W ±5% Chip	1	
R123	ERD10TLJ472	4.7k OHM 1/8W ±5% Chip	1	
R124	ERD10TLJ104	100k OHM 1/8W ±5% Chip	1	
R125	ERD10TLJ472	4.7k OHM 1/8W ±5% Chip	1	
R126	ERD10TLJ153	15k OHM 1/8W ±5% Chip	1	
R127	ERD10TLJ470	47 OHM 1/8W ±5% Chip	1	
R128	ERD10TLJ221	220 OHM 1/8W ±5% Chip	1	
R129	ERD10TLJ223	22k OHM 1/8W ±5% Chip	1	
R130	ERD10TLJ682	6.8k OHM 1/8W ±5% Chip	1	
R131	ERD10TLJ152	1.5k OHM 1/8W ±5% Chip	1	
R132	ERD10TLJ473	47k OHM 1/8W ±5% Chip	1	
R133	ERDS2TJ272	2.7k OHM 1/4W ±5% Carbon	1	
R134	ERD10TLJ103	10k OHM 1/8W ±5% Chip	1	
R135	ERD10TLJ101	100 OHM 1/8W ±5% Chip	1	
R136	ERD10TLJ681	680 OHM 1/8W ±5% Chip	1	
R137	ERD10TLJ331	330 OHM 1/8W ±5% Chip	1	
R138	ERD10TLJ332	3.3k OHM 1/8W ±5% Chip	1	
R139	ERD10TLJ102	1k OHM 1/8W ±5% Chip	1	
R140	ERD10TLJ102	1k OHM 1/8W ±5% Chip	1	
R141	ERD10TLJ473	47k OHM 1/8W ±5% Chip	1	
R142	ERD10TLJ473	47k OHM 1/8W ±5% Chip	1	
R143	ERDS2TJ223	22k OHM 1/4W ±5% Carbon	1	
R150	ERD10TLJ331	330 OHM 1/8W ±5% Chip	1	
R151	ERD10TLJ331	330 OHM 1/8W ±5% Chip	1	
R152	ERDS2TJ393	39k OHM 1/4W ±5% Carbon	1	
R153	ERDS2TJ472	4.7k OHM 1/4W ±5% Carbon	1	
R154	ERDS2TJ271	270 OHM 1/4W ±5% Carbon	1	
R155	ERDS2TJ103	10k OHM 1/4W ±5% Carbon	1	
R156	ERDS2TJ273	27k OHM 1/4W ±5% Carbon	1	
R225	ERD10TLJ102	1k OHM 1/8W ±5% Chip	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
R256	ERD10TLJ105	1M OHM 1/8W ±5% Chip	1	
R257	ERD10TLJ153	15k OHM 1/8W ±5% Chip	1	
R258	ERD10TLJ102	1k OHM 1/8W ±5% Chip	1	
R259	ERD10TLJ472	4.7k OHM 1/8W ±5% Chip	1	
R260	ERDS2TJ122	1.2k OHM 1/4W ±5% Carbon	1	
R261	ERD10TLJ121	120 OHM 1/8W ±5% Chip	1	
R270	ERD10TLJ152	1.5k OHM 1/8W ±5% Chip	1	
R271	ERD10TLJ152	1.5k OHM 1/8W ±5% Chip	1	
R272	ERD10TLJ333	33k OHM 1/8W ±5% Chip	1	
R273	ERD10TLJ103	10k OHM 1/8W ±5% Chip	1	
R356	ERD10TLJ105	1M OHM 1/8W ±5% Chip	1	
R357	ERD10TLJ153	15k OHM 1/8W ±5% Chip	1	
R358	ERD10TLJ102	1k OHM 1/8W ±5% Chip	1	
R359	ERD10TLJ472	4.7k OHM 1/8W ±5% Chip	1	
R360	ERDS2TJ122	1.2k OHM 1/4W ±5% Carbon	1	
R361	ERD10TLJ121	120 OHM 1/8W ±5% Chip	1	
R501	ERD10TLJ222	2.2k OHM 1/8W ±5% Chip	1	
R502	ERD10TLJ222	2.2k OHM 1/8W ±5% Chip	1	
R503	ERD10TLJ272	2.7k OHM 1/8W ±5% Chip	1	
R504	ERD10TLJ223	22k OHM 1/8W ±5% Chip	1	
R505	ERD10TLJ393	39k OHM 1/8W ±5% Chip	1	
R506	ERDS2TJ102	1k OHM 1/4W ±5% Carbon	1	
R507	ERDS2TJ273	27k OHM 1/4W ±5% Carbon	1	
R508	ERDS2TJ183	18k OHM 1/4W ±5% Carbon	1	
R509	ERD10TLJ154	150k OHM 1/8W ±5% Chip	1	
R510	ERDS2TJ223	22k OHM 1/4W ±5% Carbon	1	
R511	ERDS2TJ103	10k OHM 1/4W ±5% Carbon	1	
R512	ERDS2TJ102	1k OHM 1/4W ±5% Carbon	1	
R513	ERDS2TJ472	4.7k OHM 1/4W ±5% Carbon	1	
R514	ERDS2TJ333	33k OHM 1/4W ±5% Carbon	1	
R515	ERDS2TJ472	4.7k OHM 1/4W ±5% Carbon	1	
R701	ERD25FJ1R0	1 OHM 1/4W ±5% Carbon	1	
R702	ERDS2TJ101	100 OHM 1/4W ±5% Carbon	1	
R703	ERD10TLJ101	100 OHM 1/8W ±5% Chip	1	
R704	ERDS2TJ471	470 OHM 1/4W ±5% Carbon	1	
R800	ERDS2TJ223	22k OHM 1/4W ±5% Carbon	1	
R801	ERD10TLJ224	220k OHM 1/8W ±5% Chip	1	
R802	ERD10TLJ474	470k OHM 1/8W ±5% Chip	1	
R804	ERD10TLJ223	22k OHM 1/8W ±5% Chip	1	
R805	ERD10TLJ223	22k OHM 1/8W ±5% Chip	1	
R806	ERD10TLJ223	22k OHM 1/8W ±5% Chip	1	
R809	ERD10TLJ152	1.5k OHM 1/8W ±5% Chip	1	
R810	ERD10TLJ183	18k OHM 1/8W ±5% Chip	1	
R811	ERD10TLJ152	1.5k OHM 1/8W ±5% Chip	1	
R812	ERD10TLJ152	1.5k OHM 1/8W ±5% Chip	1	
R813	ERD10TLJ471	470 OHM 1/8W ±5% Chip	1	
R814	ERD25TJ101	100 OHM 1/4W ±5% Carbon	1	
R815	ERD25TJ331	330 OHM 1/4W ±5% Carbon	1	
R816	ERDS2TJ103	10k OHM 1/4W ±5% Carbon	1	
R820	ERDS2TJ473	47k OHM 1/4W ±5% Carbon	1	
R821	ERD10TLJ331	330 OHM 1/8W ±5% Chip	1	
R822	ERD10TLJ183	18k OHM 1/8W ±5% Chip	1	
R823	ERDS2TJ332	3.3k OHM 1/4W ±5% Carbon	1	
R824	ERDS2TJ564	560k OHM 1/4W ±5% Carbon	1	
R825	ERDS2TJ331	330 OHM 1/4W ±5% Carbon	1	
R837	ERDS2TJ472	4.7k OHM 1/4W ±5% Carbon	1	
R838	ERD10TLJ103	10k OHM 1/8W ±5% Chip	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
		TAPE BLOCK		
R201	ERDS2TJ560	56 OHM 1/4W ±5% Carbon	1	
R202	ERDS2TJ472	4.7k OHM 1/4W ±5% Carbon	1	
R203	ERDS2TJ124	120k OHM 1/4W ±5% Carbon	1	
R204	ERDS2TJ182	1.8k OHM 1/4W ±5% Carbon	1	
R205	ERDS2TJ152	1.5k OHM 1/4W ±5% Carbon	1	
R206	ERDS2TJ333	33k OHM 1/4W ±5% Carbon	1	
R207	ERDS2TJ104	100k OHM 1/4W ±5% Carbon	1	
R208	ERDS2TJ103	10k OHM 1/4W ±5% Carbon	1	
R209	ERDS2TJ332	3.3k OHM 1/4W ±5% Carbon	1	
R210	ERDS2TJ473	47k OHM 1/4W ±5% Carbon	1	
R211	ERDS2TJ622	6.2k OHM 1/4W ±5% Carbon	1	
R212	ERDS2TJ104	100k OHM 1/4W ±5% Carbon	1	
R213	ERDS2TJ123	12k OHM 1/4W ±5% Carbon	1	
R220	ERDS2TJ221	220 OHM 1/4W ±5% Carbon	1	
R221	ERDS2TJ681	680 OHM 1/4W ±5% Carbon	1	
R222	ERDS2TJ473	47k OHM 1/4W ±5% Carbon	1	
R223	ERDS2TJ102	1k OHM 1/4W ±5% Carbon	1	
R224	ERDS2TJ103	10k OHM 1/4W ±5% Carbon	1	
R226	ERDS2TJ102	1k OHM 1/4W ±5% Carbon	1	
R227	ERDS2TJ222	2.2k OHM 1/4W ±5% Carbon	1	
R228	ERDS2TJ101	100 OHM 1/4W ±5% Carbon	1	
R229	ERX1ANJ1R5	1.5 OHM 1W ±5% Metal Film	1	
R233	ERDS2TJ683	68k OHM 1/4W ±5% Carbon	1	
R234	ERDS2TJ333	33k OHM 1/4W ±5% Carbon	1	
R301	ERDS2TJ560	56 OHM 1/4W ±5% Carbon	1	
R302	ERDS2TJ472	4.7k OHM 1/4W ±5% Carbon	1	
R303	ERDS2TJ124	120k OHM 1/4W ±5% Carbon	1	
R304	ERDS2TJ182	1.8k OHM 1/4W ±5% Carbon	1	
R305	ERDS2TJ152	1.5k OHM 1/4W ±5% Carbon	1	
R306	ERDS2TJ333	33k OHM 1/4W ±5% Carbon	1	
R307	ERDS2TJ104	100k OHM 1/4W ±5% Carbon	1	
R308	ERDS2TJ103	10k OHM 1/4W ±5% Carbon	1	
R309	ERDS2TJ332	3.3k OHM 1/4W ±5% Carbon	1	
R310	ERDS2TJ473	47k OHM 1/4W ±5% Carbon	1	
R311	ERDS2TJ622	6.2k OHM 1/4W ±5% Carbon	1	
R312	ERDS2TJ104	100k OHM 1/4W ±5% Carbon	1	
R313	ERDS2TJ123	12k OHM 1/4W ±5% Carbon	1	
		SWITCHING BLOCK		
R251	ERD10TLJ684	680k OHM 1/8W ±5% Chip	1	
R252	ERD10TLJ272	2.7k OHM 1/8W ±5% Chip	1	
R253	ERD10TLJ471	470 OHM 1/8W ±5% Chip	1	
R254	ERD10TLJ103	10k OHM 1/8W ±5% Chip	1	
R255	ERD10TLJ122	1.2k OHM 1/8W ±5% Chip	1	
R351	ERD10TLJ684	680k OHM 1/8W ±5% Chip	1	
R352	ERD10TLJ272	2.7k OHM 1/8W ±5% Chip	1	
R353	ERD10TLJ471	470 OHM 1/8W ±5% Chip	1	
R354	ERD10TLJ103	10k OHM 1/8W ±5% Chip	1	
R355	ERD10TLJ122	1.2k OHM 1/8W ±5% Chip	1	
R611	ERD10TLJ153	15k OHM 1/8W ±5% Chip	1	
R614	ERD10TLJ153	15k OHM 1/8W ±5% Chip	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
VARIABLE CAPACITORS				
C54, 61	YECTZ03T110F	11 PF Trimmer	2	
C62	YECTZ03Z070F	7 PF Trimmer	1	
C112, 127, 131	YECTZ03R200F	20 PF Trimmer	3	
C115, 133	ECV1ZW40X53N	40 PF Trimmer	2	
C121	YECTZ03R900F	90 PF Trimmer	1	
VARIABLE RESISTORS				
VR150	EVNB3AA00B23	2k OHM Semi-fixed	1	
VR151, 502	EVNA1AA00B14	10k OHM Semi-fixed	2	
VR152	EVNB3AA00B53	5k OHM Semi-fixed	1	
VR201, 301	EVNB1AA00B14	10k OHM Semi-fixed	2	
VR250	EVK75RS01030	Balance Control	1	
VR501	EVNB3AA00B14	10k OHM Semi-fixed	1	
VR801	EVNB3AA00B54	50k OHM Semi-fixed	1	
VR251, 351	EVJUQA821081	50k OHM Bass Control	1	
252, 352		50k OHM Treble Control		
254, 354		80 OHM Fader Control		
SWITCHES				
SW201, 202	YEAS09125	Dolby NR, Metal, Loudness	5	
250, 500, 802		ST/MONO, DX/LOC		
SW	EVQQSD04B	Preset P1 to 6. LW. MW. FM. TUNE. D. M	14	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
COILS, TRANSFORMERS AND CERAMIC FILTERS				
L51	YELA08N080	FM ANT Coil	1	
L52	YELT05N5R6K	FM RF Coil	1	
L53	YELT08N075	FM RF Coil	1	
L54	YELL08N103	FM OSC Coil	1	
L55, 107	YELT05N330K	AM RF Coil	2	
L101	YELA07S104	LW ANT Coil	1	
L102	YELA07S103	MW ANT Coil	1	
L103	YELL07S139	LW OSC Coil	1	
L104	YELL07S097A	MW OSC Coil	1	
L105	YELT07S097	MW RF Coil	1	
L106	YELT07S098	LW RF Coil	1	
L108	YELT05N8R2K	AM RF Coil	1	
L109	YELQ07S050	AM Loading Coil	1	
L150	ELQS180KB	FM RF Choke Coil	1	
L701	YETQ026F048A	Choke Coil	1	
IFT51	YEIF07S7073	FM IFT	1	
IFT101	YEIA07S7107A	AM IFT	1	
IFT102	YEIA07S7121	AM IFT	1	
IFT150	YEIF07S7075	FM IFT	1	
IFT801	YEIF07S7053	AM IFT	1	
CF51	YEIN09N5016	Ceramic Filter	1	
CF101	YEIN07N5026	Ceramic Filter	1	
CF151	YEIN09N5027	Ceramic Filter	1	
CF152	YEIN09N5044	Ceramic Filter	1	
CF801	YEIN07N5018	Ceramic Filter	1	
COMPONENT COMBINATIONS				
Z201, 301	EXRP102K333T	0.001 MFD, 33k OHM	2	
Z500	EXF3SM04	180 PF x 3	1	

Ref. No.	Part No.	Part Name & Description	Pcs Set	Remarks
ACCESSORIES				
A101	YAFG04008	Supporting Strap	1	
A102	YEFG01839A	Front Bracket	2	
A103	YEFX0211077	Mounting Bracket	4	
A104	XSN4 + 10FXS	⊕ Screw, Pan 4mmø x 10mm	4	
A105	YEJV12041	⊕ Screw w/Washer	2	
A106	XVG5C25FXS	Bolt, Hexagon	1	
A107	XWA5BFX	Washer, Spring	2	
A108	XWG5FX	Washer, Polished Rud	2	
A109	XNG5AFXS	Nut, Hexagon	2	
A110	XWC5CFX	Washer, Toothed	1	
A111	YEFS01174	Pad	1	
A112	YEFC05295	Trim Plate	1	
PRINTINGS				
A113	YEFM28546	Instruction Book	1	
A114	YEFM28560	Instruction Book	1	
LCD				
LCD	YEXDCM753	LCD Ass'y	1	

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Printed in Japan
1983, 8.